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aim should be to avoid too much emphasis on instruction of an informational character, but would stress new developments in the field, points of view, methodology and sources.

**THE AMERICAN UNIVERSITY BULLETIN**

**VOL. 6, NO. 2**

**FEBRUARY, 1931**

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# **College of Liberal Arts**

**CATALOG NUMBER FOR  
1931-32 SESSION**



**WASHINGTON, D. C.**

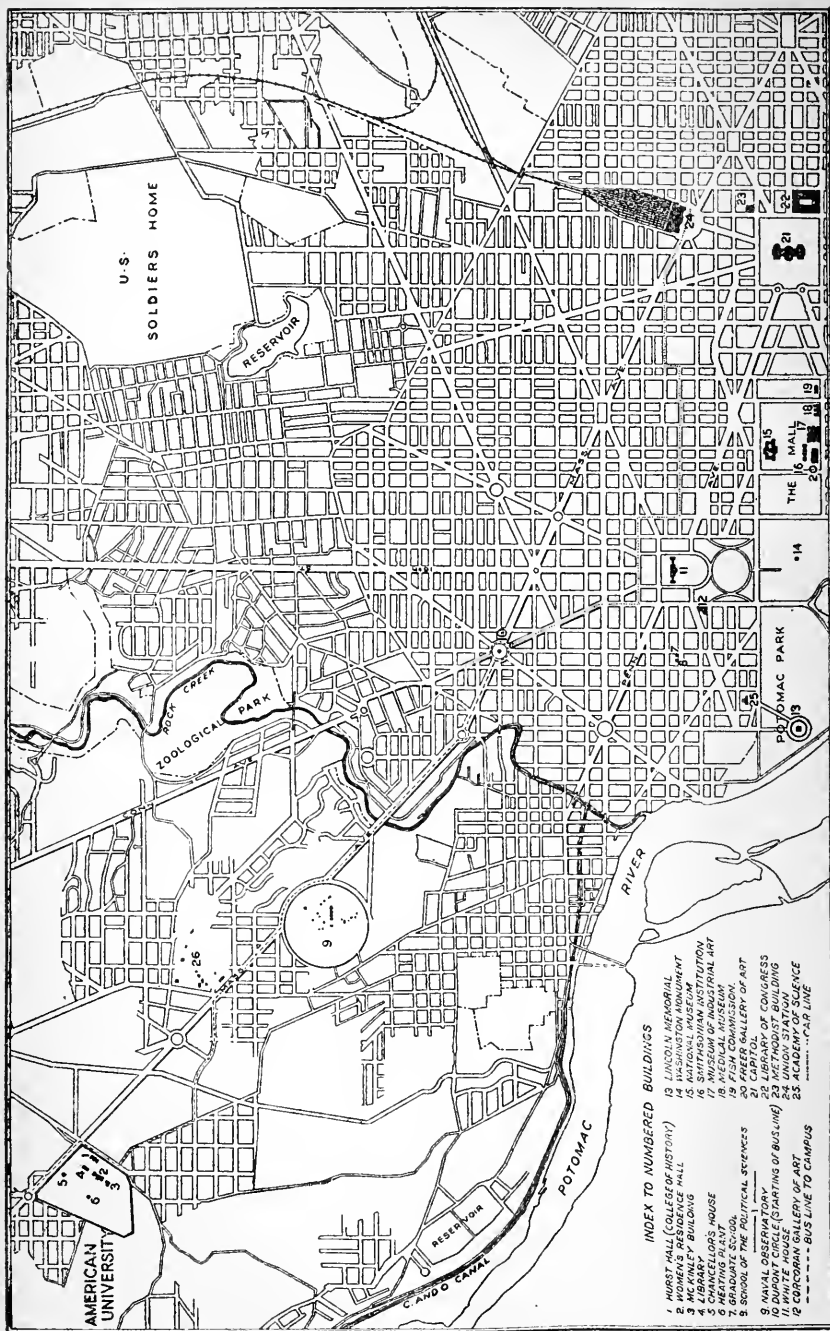


CATALOG  
OF  
THE COLLEGE OF LIBERAL ARTS  
OF  
**The American University**



*Quae sursum sunt quaerite*

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**HURST HALL—Recitation Building**

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1931

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## JANUARY

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# College Calendar

## 1930

Sept. 15	Mon.	Registration of local students, 1:00 p. m.
Sept. 16	Tues.	Examination in English for all new students, 9 a. m.
Sept. 16	Tues.	Registration, 9 a. m.
Sept. 17	Wed.	Examination in French for all new students continuing the study of French, 9 a. m.
Sept. 17	Wed.	Opening exercises, 10:45 a. m.
Sept. 17	Wed.	Class work begins, 1:15 p. m.
Oct. 11	Sat.	Psychological examination, 9 a. m.
Nov. 3	Mon.	First grade report due
Nov. 27	Thurs.	Thanksgiving Day; a holiday
Dec. 8	Mon.	Second grade report due
Dec. 18	Thurs.	Christmas recess from 12:20 p. m. to Tues., Jan. 6, 1931, 8:15 a. m.

## 1931

Jan. 6	Tues.	Class work resumed, 8:15 a. m.
Jan. 17	Sat.	First registration for second semester
Jan. 24	Sat.	Semester examinations begin
Jan. 31	Sat.	Semester examinations end
Feb. 2	Mon.	Semester grade report due
Feb. 2	Mon.	Final registration for second semester
Feb. 3	Tues.	Beginning of second semester, 8:15 a. m.
Mar. 23	Mon.	Mid-semester grade report due
Apr. 1	Wed.	Easter recess from 12:20 p. m. to Wed., Apr. 8, 8:15 a. m.
Apr. 8	Wed.	Class work resumed, 8:15 a. m.
May 22	Fri.	Semester examinations begin
May 28	Thurs.	Semester examinations end
May 30	Sat.	Memorial Day
June 1	Mon.	Commencement Day

## 1931-1932

Sept. 21	Mon.	Registration of local students
Sept. 22	Tues.	Examination in English for all new students, 9 a. m.

Sept. 22	Tues.	Registration, 9 a. m.
Sept. 23	Wed.	Examination in French for all new students continuing the study of French, 9 a. m.
Sept. 23	Wed.	Opening exercises, 10:45 a. m.
Sept. 23	Wed.	Class work begins, 1:15 p. m.
Oct. 10	Sat.	Psychological examination for all new students, 9 a. m.
Nov. 16	Mon.	Mid-semester grade report due
Nov. 26	Thurs.	Thanksgiving Day; a holiday
Dec. 18	Fri.	Christmas <b>recess</b> from 12:00 noon to Tues., Jan. 5, 1932, 8:15 a. m.

### 1932

Jan. 5	Tues.	Class work resumed, 8:15 a. m.
Jan. 16	Sat.	Registration for second semester
Jan. 22	Fri.	Semester examinations begin
Jan. 30	Sat.	Semester examinations end
Feb. 1	Mon.	Semester grade report due
Feb. 1	Mon.	Registration of new students for second semester
Feb. 2	Tues.	Beginning of second semester, 8:15 a. m.
Mar. 23	Wed.	Easter recess from 12:20 p. m. to Wed., Mar. 30, 8:15 a. m.
Mar. 30	Wed.	Class work resumed, 8:15 a. m.
Apr. 4	Mon.	Mid-semester grade report due
May 27	Fri.	Semester examinations begin
May 30	Mon.	Memorial Day
June 2	Thurs.	Semester examinations end
June 6	Mon.	Commencement Day

### 1932-1933

Sept. 19	Mon.	Registration of local students
Sept. 20	Tues.	Examination in English
Sept. 20	Tues.	Registration
Sept. 21	Wed.	Examination in French
Sept. 21	Wed.	Opening exercises, 10:45 a. m.
Sept. 21	Wed.	Class work begins, 1:15 p. m.

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HELEN HOPE

LYNETTE MULHOLLAND

JANET STEVENSON

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THOMAS CUDDY .....*Gymnasium Corridor*

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*Professor of Economics*
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*Professor of History*
- C. HENRY LEINEWEBER *5612 Edgemoor Lane, Bethesda, Md.*  
Ph.D., Fribourg  
*Professor of German*
- MARY LOUISE BROWN *University Campus*  
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*Dean of Women and Associate Professor of English*
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*Lecturer in English*

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*Assistant Professor of Biology*
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*Instructor in Chemistry*
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*Instructor in English*

<sup>1</sup> Absent on leave, second semester 1930-31.

<sup>2</sup> Beginning in September, 1931.

- HILDA MINDER FRENCH *4303 Elm Street, Chevy Chase, Md.*  
B.A., M.A., Ohio Wesleyan  
*Instructor in Speech*
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*Instructor in French*
- JOSEPH C. SINCLAIR *Kensington, Md.*  
B.A., Johns Hopkins; M.A., Ph.D., American  
*Instructor in Philosophy*
- ETHEL G. STIFFLER *University Campus*  
B.A., Goucher; M.A., Pennsylvania; Graduate Study, Cornell  
*Instructor in Biology*
- RUBERTA M. OLDS *University Campus*  
Ph.B., Chicago; M.A., Columbia  
*Instructor in Spanish*
- EDWARD J. CARROLL *3114 44th Street*  
B.A., Buffalo; M.B.A., Northwestern  
*Instructor in Economics*
- CORNELIA M. COTTON <sup>1</sup> *Bethesda, Md.*  
B.A., Cornell; M.A., Syracuse  
*Instructor in Biology*
- ROLAND McLAREN RICE *University Campus*  
B.A., American  
*Assistant in Education*
- M. ELLIS DRAKE *Tilden Hall Apartments*  
B.A., Alfred; M.A., Syracuse  
*Teaching Fellow in Political Science*
- HORACE BACUS *3114 44th Street*  
B.A., M.A., Texas Christian  
*Teaching Fellow in Political Science*
- VERNON L. WILKINSON *1421 Massachusetts Avenue*  
B.A., Whitman  
*Teaching Fellow in Political Science*
- ROBERT HISLOP *1421 Massachusetts Avenue*  
B.A., Bates  
*Debate Coach*
- GILBERT MACVAUGH *1708 F Street*  
B.A., American  
*Teaching Fellow in Psychology*

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<sup>1</sup> Second semester, 1930-31.

## Student Assistants

JANE LYTLE .....	<i>Art</i>
CLAIR ALTLAND .....	<i>Biology</i>
BARRETT FUCHS .....	<i>Biology</i>
LAWRENCE HETRICK .....	<i>Biology</i>
DORIS WILLIS .....	<i>Biology</i>
FRANCIS CRAMER .....	<i>Chemistry</i>
CEDRIC GLEASON .....	<i>Chemistry</i>
ALTON KELLER .....	<i>Chemistry</i>
LELAND SPRINKLE .....	<i>Physics</i>
NORMAN CRAMER .....	<i>Economics</i>
KEELER FAUS .....	<i>English</i>
HENRY BACKENSTOSS .....	<i>Mathematics</i>
MARY PUTNAM .....	<i>Physical Education for Women</i>
MAX SCHAUL .....	<i>Physical Education for Men</i>

## Standing Committees of the Faculty

EXECUTIVE: Mr. Woods (*Chairman*), Mr. Shenton, Mr. Kinsman, Mr. Gewehr, Miss Brown, and Miss Moler.

ADMISSIONS: Mr. Woods (*Chairman*), Mr. Kinsman, Mr. Leineweber, Mr. Varrelman, and Miss Moler.

CURRICULUM: Mr. Woods (*Chairman*), Mr. Shenton, Mr. Kinsman, Mr. Gewehr, Mrs. Zucker, and Mr. Engel.

REGISTRATION AND SCHEDULE: Miss Moler (*Chairman*), Mr. Shenton, and Mr. Holton.

ABSENCES: Mr. Woods (*Chairman*), Mr. Kinsman, Miss Brown, Mr. Golder, Miss Galt, and Miss Ferguson.

SOCIAL ACTIVITIES: Miss Brown (*Chairman*), Mr. Hutchins, Mr. Holton, Miss Olds, and Mrs. French.

LIBRARY: Mr. Kinsman (*Chairman*), Mr. Gewehr, Mr. Leineweber, Mr. Varrelman, Mr. Golder, Miss Ferguson, Mr. Rouse, and Mr. Statham.

CHAPEL AND RELIGIOUS ACTIVITIES: Mr. Hutchins (*Chairman*), Mr. Woods, Mr. Shenton, Mr. Kinsman, Mrs. Zucker, and Mr. Jackson. Student representatives: 1931—Roger Craven, Jane Lytle, and Blake Espey; 1932—Russell Lambert and Mary Jane Pearce; 1933—Harry Underwood.

- SCHOLARSHIPS, HONORS, AND PRIZES: Mr. Woods (*Chairman*), and Miss Moler.
- LECTURES AND CONCERTS: Mr. Bentley (*Chairman*), Mr. Hutchins, Miss Brown, Miss Galt, Mr. Dudley, and Mr. McAdam. Student representatives: James Swan and Dorothy Gerth.
- STUDENT ENTERTAINMENTS: Mr. Hutchins (*Chairman*), Miss Ferguson, Miss Galt, Mr. Dudley, and Miss Stiffler.
- STUDENT PETITIONS: Mr. Shenton (*Chairman*), Mr. Holton, Mr. Golder, Miss Ferguson, and Miss Moler.
- STUDENT ORGANIZATIONS: Mr. Woods (*Chairman*), Mr. Hutchins, Miss Brown, Mr. Golder, and Mrs. French.
- ATHLETICS FOR MEN: Mr. Holton (*Chairman*), Mr. Golder, Mr. Rouse, Mr. Young, and Mr. Engel.
- ATHLETICS FOR WOMEN: Miss Galt (*Chairman*), Miss Brown, and Miss Wulf.
- MEMORIAL: Miss Brown (*Chairman*), Mr. Kinsman, and Mr. Holton.
- FACULTY ADVISER OF STUDENT PUBLICATIONS: Mr. Woods.
- AUDITOR OF ACCOUNTS OF STUDENT ORGANIZATIONS: Miss Carmichael.
- VOCATIONAL GUIDANCE: Mr. Kinsman (*Chairman*), Miss Ferguson, Mr. Varrelman, and Mr. Jackson.

## Addresses, Concerts, Etc.

- |          |   |
|----------|---|
| Apr. 5   | Debate with Princeton University  |
| Apr. 11  | Women's Student Government Association Party  |
| Apr. 14  | Rev. Philip Edwards—Chapel address  |
| Apr. 15  | Canon J. W. Gummere—Chapel address  |
| Apr. 16  | Rev. Andrew Bird—Chapel address   |
| Apr. 17  | Rev. Fred Reynolds—Chapel address   |
| Apr. 26  | Junior-Senior Prom  |
| Apr. 30  | Women's Debate with Syracuse University   |
| May 3    | Freshman Class Party  |
| May 3    | Mr. David Lawrence, President of the United States<br>Daily—Address at Intercollegiate Press Confer-<br>ence luncheon |
| May 16   | College Play— <i>A Midsummer Night's Dream</i>  |
| May 17   | Alumni Association Banquet  |
| May 31   | All-American University Party   |
| June 1   | Chancellor Lucius C. Clark—Convocation sermon   |
| June 2   | Dr. Harry E. Woolever, Editor, National Methodist<br>Press—Commencement address                                       |
| June 2   | Chancellor's Reception to Faculty, Trustees, and<br>Members of the Graduating Classes.                                |
| Sept. 16 | Chancellor's Reception to Members of the Faculty  |
| Sept. 17 | Hon. Hugh M. Tate, Member of the Interstate Com-<br>merce Commission—Opening address, first semester                  |
| Oct. 4   | All-College Party   |
| Oct. 18  | Faculty Women's Club Party for New Faculty<br>Members   |
| Oct. 19  | Dr. William A. Shelton—Address at Dad's Day<br>Service  |
| Nov. 1   | Hallowe'en Dinner   |
| Nov. 1   | Sophomore Party   |
| Nov. 5   | Miss Cornelia Sorabji, Indian lawyer—Chapel address   |
| Nov. 10  | All-College Informal Dinner   |
| Nov. 21  | College Plays— <i>Trifles</i> , <i>Land of Heart's Desire</i> , and<br><i>The Dark Lady of the Sonnets</i>            |
| Nov. 23  | Dean William P. Tolley, Brothers' College, Drew<br>University—Chapel address  |

- Dec. 1 Mr. Everett R. Clinchy, Secretary of the committee of the Federal Council of Churches on the promotion of good will between Jews and Christians—Chapel address
- Dec. 3 Rev. Richard E. Shields, Executive Secretary, Community Church Workers of the United States—Chapel address
- Dec. 4 Bishop Charles Mead—Chapel address
- Dec. 5 Interfraternity Party
- Dec. 12 Dr. Elmer A. Leslie, Boston University School of Religious Education—Chapel address
- Dec. 16 Christmas Dinner
- Dec. 16 College Play—*Pillars of Society*
- Jan. 10 Debate with Haverford College
- Jan. 16 Miss Martha Wilson—Chapel address
- Jan. 18 Alumni Association Tea for Members of the Graduating Classes
- Feb. 3 Dr. Madison Bentley, Cornell University—Chapel address
- Feb. 4 Mr. Enrique C. Aguirre, Mexico City, Mexico—Chapel address
- Feb. 12 Dr. Joseph R. Sizoo—Lincoln Day address
- Feb. 14 Valentine Dinner
- Feb. 21 Women's Guild Banquet—Founders' Day
- Feb. 23 The Reverend Bland Tucker, Rector of St. John's Church, Georgetown—Washington Day address
- Feb. 25 Dr. Walter J. Greenleaf, U. S. Bureau of Education—Chapel address
- Feb. 26 Debate with University of Cincinnati
- Mar. 4 Dr. William John Cooper, U. S. Commissioner of Education—Chapel address
- Mar. 6 Professor Harold A. Ehrensperger, Garrett Biblical Institute—Chapel address
- Mar. 11 Hermann Hagedorn, Author—Chapel address
- Mar. 20 Debate with Carleton College
- Mar. 28 Debate with Bates College
- Apr. 10 Debate with New York University
- Apr. 17 Junior-Senior Prom

## General Information

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### Aims and Purposes

THE COLLEGE OF LIBERAL ARTS of The American University is maintained for the purpose of developing scholarship and character. It is the aim of the College to train young men and young women for individual thinking in creative or original work, to give them such an understanding of life and its current problems as will enable them to make necessary social adjustments, and to endow them with a Christian philosophy of life that will lead to active and intelligent service in their respective communities.

To these ends the work of instruction is carried on by a body of men and women who are adequately trained in their subjects and who are imbued with a genuine spirit of learning and teaching—by men and women who are devoted to high ideals of character and who desire to be of the largest service in training young people for lives of usefulness.

American University is a Christian institution, free from all sectarian bias in teaching and administration. An interdenominational spirit prevails. Various Protestant denominations are represented on the faculty, and young men and women of many religious faiths are enrolled as students.

Because of its favorable location the University endeavors to interest the students in the unusual educational facilities offered by the City of Washington touching virtually every important activity of life.

### Ideals and Standards

IT IS the intention of the College to adhere to the standards of admission and of graduation maintained by the best institutions of the country.

The College is accredited by the Association of Colleges and Secondary Schools of the Middle States and Maryland, and is recognized as a standard college of Class A. It is on the approved

list of the Board of Education of the Methodist Episcopal Church and is a member of the Association of American Colleges and of the American Council on Education. It coöperates fully with these organizations in fostering high ideals of scholarship.

The faculty and trustees recognize intellectual attainment as the dominant and unifying factor of college life. In order to provide the best opportunity and to insure to students the largest gain from their attendance at the College, the following provisions have been adopted:

1. Instruction will be offered by thoroughly trained and successful teachers.

2. Small classes will be maintained in order that students may receive much individual attention.

3. Full opportunities will be offered the students for the development of individual initiative and leadership.

4. Every effort will be made to stimulate in students a desire to attain distinction in their studies.

5. Appropriate recognition will be given to students who excel in scholarship.

6. Every effort will be made to surround students with wholesome influences and to provide a comfortable environment.

7. The health of students will receive special attention. Physical examinations will be given at stated intervals by competent physicians, and limited dispensary service will be furnished through a resident nurse.

8. The members of the faculty will coöperate with students in their social and religious activities. It is the aim of the College to maintain intimate and sympathetic relations between teachers and students, and faculty homes are always open to students.

9. All student activities—athletics, debating, oratory, dramatics, glee club, college paper, student council, etc.—are under the direction of the faculty; each activity will be given sympathetic encouragement.

10. Effort will be made to provide acceptable employment for diligent and ambitious students if such employment is necessary for the completion of their college course.

In order that members of the faculty may carry on their work with the most satisfaction and to the best advantage, the College has adopted the following provisions :

1. The office of the Dean will be responsible for the preparation of mimeographed outlines, syllabi, examination questions, etc.

2. The office of the Secretary of the Dean will coöperate with the members of the faculty in writing letters bearing upon departmental business.

3. The College endeavors to supply all books, maps, scientific equipment, periodicals, etc., that are needed in connection with the various courses offered.

4. Members of the faculty are encouraged to engage in research in the field of their special interest, and the College will coöperate in every possible way to this end.

5. Full professors in the College as a rule teach twelve hours a week. Other members of the faculty are expected to teach from fourteen to sixteen hours a week, depending upon the nature and status of courses, duplication of work in sections, etc.

### Location

THE COLLEGE is located on a campus of ninety acres situated in the northwestern section of the City of Washington. The campus is at the corner of Massachusetts and Nebraska Avenues, about six miles from the Capitol. It may be reached by taking a Mt. Pleasant car to Dupont Circle and there transferring to a Wesley Heights bus, which leaves the Circle every twenty minutes during the rush periods of the day and every half-hour at other times. The bus passes the campus.

### Washington as an Educational Center

THE LOCATION of the College in the City of Washington affords educational advantages unsurpassed by any other city in the United States. Here are found great libraries, art galleries, museums, laboratories, churches, and cathedrals that are the pride of the whole country. The amplest facilities are afforded for the

enrichment of life by contact with these great agencies of enlightenment and culture. The city itself, from an architectural and artistic point of view, is one of the most beautiful cities in the world.

The Library of Congress is famous for its 4,000,000 books, its collection of graphic arts, and its mural paintings. Five other important collections are open to the student: the Corcoran Gallery of Art, with its excellent collection of reproductions of Antique and Renaissance sculpture, a noteworthy collection of American paintings, and the newly acquired Clarke collection, recently installed, with its wealth of material in the field of modern painting; the National Museum, with important collections of American painting, English painting of the 18th century, and the adjoining collection of the graphic arts in the Smithsonian building; the Freer Gallery, with its unique collections of selected American masters, especially Whistler, and its collections of Chinese and Japanese painting, perhaps unequalled elsewhere; finally, the Duncan Phillips Memorial Gallery, an important collection and educational agency in modern art of the more progressive type.

The National Capitol is one of the most impressive buildings in the country. Here students may observe the various government departments at work—the Senate, the House of Representatives, the Supreme Court, composed of America's foremost statesmen.

Other buildings, monuments, museums, etc., are no less attractive. The Treasury Building, the White House, the Washington Monument, the Lincoln Memorial, the National Cemetery at Arlington, the Smithsonian Institution, the National Zoölogical Park—all are great centers of interest, and combine to make Washington the real shrine of the nation.

Opportunities for study and investigation are likewise unusual. The Bureau of Standards, only a mile from the College campus, maintains a staff of six hundred scientific specialists; the Fixed Nitrogen Laboratories of the U. S. Department of Agriculture are on the campus proper. Other bureaus or departments of research are also at the disposal of those interested—the Bureau of Educa-

tion, the Department of Labor, the U. S. Public Health Service, the Women's Bureau, the Children's Bureau, the Bureau of American Ethnology, the Bureau of Scientific Literature, the Carnegie Institution. Besides there are here located offices of fifty national patriotic and welfare organizations, offices of thirty scientific societies, and headquarters of twelve reform associations. The free resources afforded by Washington for special study and investigation could not be provided by billions of dollars in endowments.

In order that students may take advantage of these opportunities, Saturday is kept in so far as possible as a weekly holiday, and effort is made to provide competent guides to conduct groups of students to the various places of interest.

By act of Congress the facilities of all governmental collections in Washington established for the promotion of knowledge are accessible to scientific investigators and to students of any institution of higher education in the District of Columbia. Among the more notable collections available are those of the following agencies :

- |  |                                      |
|--|--------------------------------------|
| 1. Library of Congress                           | 15. Bureau of Labor Statistics       |
| 2. National Museum                               | 16. Bureau of Railway Economics      |
| 3. Bureau of Education                           | 17. Tariff Commission                |
| 4. Department of Agriculture                     | 18. Bureau of Prohibition            |
| 5. Smithsonian Institution                       | 19. Bureau of Ethnology              |
| 6. Pan-American Union                            | 20. Botanic Gardens                  |
| 7. Department of Commerce<br>and Labor           | 21. Bureau of Biological Survey      |
| 8. Patent Office                                 | 22. Bureau of Entomology             |
| 9. Naval Observatory                             | 23. Bureau of Plant Industry         |
| 10. Bureau of Standards                          | 24. Bureau of Fisheries              |
| 11. National Academy of<br>Science               | 25. Coast and Geodetic Survey        |
| 12. Interstate Commerce Com-<br>mission          | 26. Geological Survey                |
| 13. Bureau of Foreign and Do-<br>mestic Commerce | 27. Bureau of Mines                  |
| 14. Bureau of Immigration                        | 28. Bureau of Home Economics         |
|  | 29. Army Medical Museum              |
|  | 30. Bureau of Chemistry and<br>Soils |

## History of the University

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THE DESIRE to establish in Washington an institution of higher learning devoted to the principles of Protestant Christianity was expressed soon after the Civil War; but not until twenty-five years later was the desire carried out. The leader of the movement to establish a university in Washington was Bishop John Fletcher Hurst, of the Methodist Episcopal Church.

He purchased the site, now occupied by the College of Liberal Arts, in 1891. In 1893 a charter for American University was granted by Congress, and a Board of Trustees was organized. Then Bishop Hurst began the courageous and arduous task of raising funds for buildings. The first building (now Hurst Hall) was completed in 1898. Work on the McKinley Building was begun in 1902, but the building was not completed until 1917.

During the World War the grounds and buildings of the University were turned over to the United States Government and were used for various war purposes.

The first unit of the University to be established was the Graduate School. This was formally opened by President Wilson on May 27, 1914, and some work was offered during the following year. An organized course of study was inaugurated for the first time in 1920. In that year the University purchased property on F Street between Nineteenth and Twentieth Streets and offered instruction in two schools—the Graduate School of Arts and Sciences and the Graduate School of the Political Sciences.

The College of Liberal Arts was opened on September 23, 1925. In January, 1926, the Trustees adopted a plan of reorganization of the University. Under the new plan the Graduate School controls all graduate work, and the School of the Political Sciences, operated as an adjunct to the Graduate School, offers only the last two years of a regular college course leading to the degrees of Bachelor of Political Science and Bachelor of Science in Commerce.

## Educational Equipment

### Campus

THE CAMPUS of American University comprises about ninety acres situated near the border of the District of Columbia in the northwest section of the City of Washington about six miles from the Capitol. The elevation is one of the highest in the District.

Unusual opportunities are offered for notable landscape effects on the Campus. An attractive natural amphitheater and springs of cold, pure water are among the features. Much of the lower portion of the Campus is covered with trees and shrubs.

### Buildings

THE BUILDINGS of the University are adequately equipped for the purposes for which they are used. All are in excellent condition. The buildings, equipment, and campus are appraised at two million dollars.

**Hurst Hall**, erected in 1898, is the recitation building. It is a large three-story marble structure containing the assembly room, reading rooms, recitation rooms, offices for the Dean, the Registrar, and other members of the faculty, the Students' Supply Store, the College Post Office, and laboratories for the science departments. In architectural design this building ranks among the finest buildings in the city. It is named in honor of Bishop Hurst, the founder and first chancellor of the University.

**The McKinley Building**, completed in 1917, is a magnificent marble structure named in honor of President McKinley. It is used temporarily as the Fixed Nitrogen Research Laboratory of the U. S. Department of Agriculture.

**The Women's Residence Hall**, completed in 1925, is a three-story building containing rooms for 200 women. The dining room, on the ground floor, has accommodations for nearly four hundred. Spacious parlors and large, comfortable rooms, each

with running hot and cold water, make this an ideal residence hall for young women. The building is provided with shower baths and reading rooms on each floor. The gymnasium room for young women is located on the upper floor of this building. One room is reserved as a hospital for young women who need special attention during illness.

**The Central Heating Plant**, erected during 1925, supplies heat to all the College buildings.

**The Battelle Memorial** is a two-story structure erected in 1926. The building is used as the College library. It contains, besides the usual library equipment, offices of the Chancellor, the Business Manager, and the Bursar. This building is named after the donor, the late Gordon Battelle, of Columbus, Ohio, a former member of the Board of Trustees.

**The Gymnasium**, erected in 1926, is 60 feet wide and 150 feet long. It is equipped for the physical education work of the young men of the College. In addition to meeting the needs as a gymnasium, the building contains a stage, 25 by 60 feet, thus providing opportunity for important work in dramatics and for large assemblies. The seating capacity is about 1,000. The building contains also twelve rooms that furnish dormitory accommodations for 15 men. The erection of this building was made possible by the gifts of ten friends of the University, each of whom contributed \$10,000.

**Hamilton House**, the first unit of the dormitory for men, was completed in September, 1930. It is a two-story structure, built of stone and concrete. It contains both single and double rooms, with accommodations for forty men. This building is named in honor of Bishop Franklin Hamilton, a former chancellor of the University.

**The Chancellor's House**, erected in 1925, is of colonial type of architecture. It stands on a high spot of ground on the Campus and commands an extensive view across the country to the north and the west.

### Libraries

THE UNIVERSITY has a general library of about 23,000 volumes, including several department libraries. Notable in the list is the Library of Mathematics, containing 10,000 volumes and manuscripts left to the University by Artemus Martin, a noted mathematician.

### Laboratories

THE LABORATORIES of the departments of biology, chemistry, and physics are located on the lower floors of Hurst Hall. The rooms are well lighted and well ventilated, and are supplied with new apparatus and equipment adequate to the present needs in courses in science. As the departments expand, additional space and equipment will be available.

**The Biology Laboratories** are located in the basement of Hurst Hall.

The freshman laboratory is equipped with tables, compound and simple microscopes for individual work, excellent models, life-histories and museum specimens, charts, lantern-slides, and a motion picture projector. Individual steel lockers are furnished students for use during the course.

The physiology and bacteriology laboratory is equipped with oil immersion compound microscopes for individual use, autoclave, sterilizers, incubators, Electrolux refrigerator, hydrogen ion potentiometer, and other bacteriological equipment, and kymographs, and related apparatus for physiology.

The advanced laboratory is equipped with oil-immersion compound microscopes, Greenough binocular microscopes, rotary and sliding microtomes, paraffine oven, and other equipment for the teaching of cryptogamic and phanerogamic botany, biological technique (including histology), entomology, and invertebrate and vertebrate zoölogy.

A dark room, belonging to the department, is available for work in biological technique, in micro-photography, and in lantern-slide-making.

**The Department of Chemistry** has three laboratories, each of which is well equipped with modern appliances and apparatus.

The general chemistry laboratory has wood desks with alberene stone tops and locker space to accommodate forty-eight students in sections of twelve at a time. This laboratory also has a convenient arrangement of reagent shelves and fume hood.

The analytical laboratory has fire proof equipment of steel and alberene stone. There is desk space to accommodate sixteen students in groups of eight at a time. A reagent shelf, fume hood, balance room, and an independent water still complete the equipment.

The organic and physical laboratory also has all fireproof steel and alberene equipment with working space for sixteen students in groups of eight at a time.

There is a general store room for apparatus and chemical supplies, and every effort is made to provide students with all necessary chemicals and modern apparatus, so that the individual student may acquire first hand experimental knowledge and technique in the laboratory by performing a comprehensive series of experiments.

**The Physics Laboratory** is equipped with desk space for sixteen students to work at one time. No pains have been spared in selecting the very best of laboratory equipment and the finest and most modern apparatus for exact measurement in mechanics, sound, light, heat, and electricity. A convenient dust-proof store-room has been arranged near the laboratory for the storage of the apparatus. Plans are now under way for establishing a machine shop for the manufacture of special apparatus as well as for adjusting and repairing the apparatus now on hand. All the apparatus of this department is new and fitted to give the best results in the experiments for which it has been chosen. A dark-room provides for certain light experiments and for practical work in photography.

**The Psychological Laboratory** is in the process of formation. At the present time facilities are provided for about twenty students pursuing introductory experimental work, with apparatus for simple sense-reactions, sense-perception, attention, and memory. The laboratory seeks to meet the needs of students preparing for advanced work in education and psychology.

### Supply Store and Post Office

**T**HE COLLEGE maintains for the convenience of students a supply store, where they may obtain at a considerable saving books, paper, and other necessary materials for their college work, and where orders may be given for articles needed though not carried in stock. An agency for laundry work and for dry-cleaning and pressing is maintained in the store. The store is located on the lower floor of Hurst Hall.

Located in the Students' Supply Store is a United States Post Office, where all postal transactions may be made, including purchasing or cashing of money orders, registering mail, insuring parcels, etc. The College mail is received here and is distributed to students through individual combination lock-boxes.

### The Museum

Friends of the University have generously given to the museum a number of treasures possessing special historical and artistic value. Among these may be mentioned the oak chair in the chapel, made from the timbers of Wesleyan Chapel, London; the dining table and chairs of Charles Sumner; the desk used by Edwin M. Stanton, Lincoln's Secretary of War; a sofa used at the White House by Lincoln; a chair used at the White House by Grant; a portrait of Francis Asbury, painted on wood; twenty-one paintings by L. W. Powell, of scenes in the Holy Land, Egypt, and Greece, the gift of Mr. and Mrs. W. S. Corby; the Camp collection of sixteen American portraits, the gift of Mr. John C. Letts; the Reynolds collection of Indian stone relics, the gift of Mr. W. S. Corby; a collection of firearms and swords and 1,000 Indian stone relics, lent by Mr. Thomas Dowling; and the 62-inch reflecting mirror, the work of Dr. John Peate.

## Housing Equipment

### Rooms for Women

**A**LL YOUNG WOMEN who do not live with parents or relatives in Washington will room in the Women's Residence Hall on the campus. Exceptions may be made for women who wish to earn a part of their expenses by rendering service outside the College. Such an arrangement must be made through the Dean of Women.

Rooms in the Hall are heated by steam and lighted by electricity. They are furnished with chairs, tables, dressers, single bedsteads, mattresses, and pillows. All other bedding and furnishings, except curtains, must be supplied by the occupants, and must be marked with the name of the owner. Each room contains hot and cold running water.

Applications for rooms in the Hall should be sent to the Bursar of the College. A deposit of \$10 is required for the reservation of a room; this fee will be applied upon the bill for the first semester. Assignment of rooms for the following year to students in college is made soon after the middle of April. All rooms not thus engaged are available for new students. Applications, however, should be sent in as early as possible.

The Women's Residence Hall contains accommodations for 200 women. The cost for a single room is \$115 a semester; for a double room, \$95 a semester for each occupant. Only a limited number of single rooms is available. The Hall is closed during the Christmas vacation.

### Rooms for Men

**H**AMILTON HOUSE, the first section of the men's quadrangle, contains accommodations for 40 men. Rooms are furnished with single beds, mattresses, dressers, desks, and window curtains. All other furnishings, including chairs, rugs, pillows, blankets, sheets, and towels, are supplied by the student. Blankets, sheets, towels, etc., should be marked with the name of the owner.

The price for a single room is \$100 a semester; for a double room, \$80 a semester for each occupant.

The college gymnasium contains rooming accommodations for 15 men. The rooms are furnished with single beds, mattresses, dressers, tables, and chairs. The price for a single room is \$60 a semester; for a double room, \$50 a semester for each occupant. Each student furnishes his sheets, pillow cases, towels, and blankets. All articles must be marked with the name of the owner.

In so far as rooms are available, freshman men who do not live with parents or relatives in Washington are expected to live in the College dormitories. Applications for rooms should be sent to the Dean of the College. A deposit of \$10 is required for the reservation of a room; this fee will be applied upon the bill for the first semester.

### Board

ALL STUDENTS, both men and women, who live in College buildings, take their meals in the College Dining Room on the ground floor of the Women's Residence Hall.

The charge for board is \$120 a semester for breakfasts and dinners. This is the usual arrangement in Washington. Cafeteria luncheons are served at noon in the regular dining room at cost. This plan makes provision for luncheon for the day students who are taking work at the College. Students desiring to entertain guests at meals must make arrangements with the steward in advance. The charge for a single breakfast is 30 cents; for a single dinner, 75 cents.

## Requirements for Admission

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INASMUCH as the enrollment in the College is limited, the faculty has adopted a plan of selective admission whereby only students of intellectual promise and seriousness of purpose are considered for admission. The majority of the students accepted naturally come from the upper half of their high-school classes.

A student who desires to enter the College of Liberal Arts of American University should first secure an application blank from the Registrar of the College. This blank should be filled out by the student and returned promptly to the Registrar, accompanied with the registration fee of ten dollars. If the application is denied or if registration is cancelled before August 1, the fee is returned.

Before an application can be passed upon, the Committee on Admissions must have an official transcript of the student's complete record in high school or academy, together with the recommendation of the principal. If the student has attended another college, a transcript of the college record, together with an honorable dismissal, must be presented to the Committee.

### Admission to Freshman Standing

ADMISSION to the Freshman Class is based upon the information furnished in the application blank and upon the student's secondary school record. The scholastic requirement is the completion of a four-year course in an accredited high school, or its equivalent. The minimum number of units required is fifteen. No students are admitted unless they meet the requirements in full.

A unit of admission requirements has been approved by the faculty in accordance with the following statement adopted by the National Conference Committee on Standards of College and Secondary Schools, by the College Entrance Examination Board, and by the Carnegie Foundation for the Advancement of Teaching: "A unit represents a year's study in any subject in a secondary school constituting approximately a quarter of a full year's work."

This statement assumes that the length of the school year is at least thirty-six weeks, that a recitation or laboratory period is from forty to sixty minutes in length, and that the study is pursued four or five periods a week.

The following subjects are acceptable for admission :

Required subjects, eight units :

English .....	3 units
Algebra .....	1 unit
Plane Geometry .....	1 unit
Foreign Language (one language) .....	2 units
History .....	1 unit

Optional subjects, seven units :

Algebra, Higher .....	$\frac{1}{2}$ unit
Biology .....	1 unit
Botany .....	$\frac{1}{2}$ or 1 unit
Chemistry .....	1 unit
Civil Government .....	$\frac{1}{2}$ unit
Drawing, Freehand .....	$\frac{1}{2}$ or 1 unit
Drawing, Mechanical .....	$\frac{1}{2}$ or 1 unit
Economics .....	1 unit
French .....	2, 3, or 4 units
Geometry, Solid .....	$\frac{1}{2}$ unit
German .....	2, 3 or 4 units
History, American .....	$\frac{1}{2}$ or 1 unit
History, Ancient .....	$\frac{1}{2}$ or 1 unit
History, English .....	$\frac{1}{2}$ or 1 unit
History, Medieval .....	$\frac{1}{2}$ unit
History, Modern .....	$\frac{1}{2}$ or 1 unit
Latin .....	2, 3 or 4 units
Music .....	$\frac{1}{2}$ or 1 unit
Physics .....	1 unit
Physiography .....	$\frac{1}{2}$ or 1 unit
Physiology .....	$\frac{1}{2}$ unit
Public Speaking .....	$\frac{1}{2}$ or 1 unit
Science, General .....	1 unit

Spanish .....	2, 3 or 4 units
Zoölogy .....	1/2 or 1 unit
Vocational or Commercial Subjects.....	1/2 to 2 units

Applicants secure admission to the College by one of the following methods:

**1. Certification.**—This is the customary form of entrance, but it presupposes graduation, with credit for the proper subjects, from an accredited secondary school. The certificate must be made out on the prescribed form supplied by the College and signed by the principal of the school (or by some other duly qualified official). Schools are approved if they are accredited by any one of the following agencies:

- a. State universities and state offices of education.
- b. Association of Colleges and Secondary Schools of the Middle States and Maryland.
- c. New England College Entrance Certificate Board.
- d. North Central Association of Colleges and Secondary Schools.
- e. Association of Colleges and Secondary Schools of the Southern States.
- f. Northwest Association of Secondary and Higher Schools.

**2. Examination.**—Applicants who are not graduates of an accredited secondary school may make up deficiencies and secure the necessary credit in the subjects lacking by passing the examinations of the College Entrance Examination Board or of the New York Board of Regents.

An application to take the examinations of the College Entrance Examination Board must be sent to the Secretary of the Board, 431 West 117th Street, New York City, from whom all necessary information may be obtained.

The Regents' examinations are given in January and June of each year. Handbook No. 23 of the State Board of Regents, giving necessary information, may be secured from the New York State Department of Education, Albany, New York.

The main purpose of all the requirements for admission is to insure the selection of applicants who are likely to profit most by their college course. Final acceptance of a candidate as a student of the College will therefore be determined, in part, by additional information secured under the following headings:

**1. Principal's Statement.**—In addition to the certificate of school credits, the principal will be asked for a statement concerning the applicant's success in school, his rank in the graduating class, and his attitude toward his work; and also for an estimate of the character and promise of the applicant, and for information concerning his special qualities, interests, and activities.

**2. Physical Examination.**—The faculty requires the complete health record of each entering student. In accordance with this provision, each student will be given, as soon after matriculation as possible, a thorough physical examination by a competent physician. Arrangements for the examination will be made by the Physical Education Department.

**Departmental Examinations.**—Upon entering the college each new student is required to take two examinations—one an English test, the other a psychological test. The English test is given on Tuesday morning of registration week. The psychological test is given on the second Saturday in October. New students continuing the study of French are required to take also a standardized French test on Wednesday morning of registration week. The object of these tests is to discover special aptitudes, abilities, and capacities of each student in order that more helpful advice may be given in planning his college course and in solving his various difficulties, both intellectual and personal.

The examination in English is in two parts: the first tests the student's correctness in the use of the English language in writing; the second tests his knowledge and appreciation of English literature. Students who fail to pass the first part of the examination are required to register for English 101A. Freshmen who pass both parts of the examination are excused from taking English 101-102 and should register for English 211. Students enter-

ing the College with advanced credit in English should take only the first part of this examination.

### Admission to Advanced Standing

A CANDIDATE for admission to advanced standing from an institution of college rank may receive credit without examination for work completed at such an institution, subject to the following requirements:

1. He must present a catalog of the institution from which he comes, with pages marked that describe courses for which he asks credit and with such pages indicated on the cover. He must present also an official certificate showing (a) his entrance credits at that institution, (b) his complete college record, including grade of scholarship in each subject taken, and (c) honorable dismissal.

2. He must have completed creditably the work of at least one year in an institution of college rank. As a rule, no credit is given for work of grade D (the lowest passing grade).

3. He must satisfy the entrance requirements of this college.

4. He must take the examination in English and the psychological examination required of all new students; he must take also the examination in French if he intends to continue the study of that language.

5. Credit is regarded as provisional at the time of the applicant's admission and will not be considered as final, nor will the applicant be given final enrollment until he has satisfactorily completed at least one semester's work in this college.

6. The applicant must register for any courses not previously taken that are included in the requirements for graduation from this college.

7. A student admitted to advanced standing must complete at least thirty semester hours' credit in residence at this university, of which at least twenty-four hours must be completed in the College of Liberal Arts; and he must maintain an average of C grade

in all work taken in this college. He must also meet the quality requirements of an average of C throughout his four-year college course. Grades received in previous institutions will therefore be taken into account. The grade of C as given in this college will be regarded as the basis for the determination of the scholarship average.

No advanced credit will be given for work done in a secondary school, or for work done by correspondence.

## Requirements for Graduation

THE DEGREE OF BACHELOR OF ARTS is conferred at the annual commencement upon all students who have completed satisfactorily the specific requirements for graduation as to hours, courses, majors, distribution of work, fields of concentration, and grades. Students themselves are responsible for seeing that these requirements are met in full. These requirements are as follows:

### Amount of Work

THE MINIMUM REQUIREMENT for graduation is the completion of 126 semester hours, including the prescribed work in physical education. An *hour* signifies one recitation or lecture (or its equivalent) a week throughout one college semester. Each recitation period is fifty minutes long, and the time necessary to adequate preparation is estimated at an average of two hours for each class exercise.

At least 40 semester hours' credit must be secured in courses numbered above 300. Juniors must complete at least 10 semester hours in courses in the 300 group. Seniors taking courses in the 100 group will receive one hour less credit than the credit announced for those courses.

Students are expected to earn fifteen or sixteen semester hours' credit for each semester of the four-year course. The consent of the Dean of the College must be secured by students who desire to take less than fourteen hours or more than sixteen. Faculty permission must be secured by students who desire to register for more than eighteen hours. As a rule, permission to carry more than sixteen hours will be given only to students who have averaged B or better during the previous semester in college. The results of the psychological examination also will be taken into account in determining the number of hours for which a student may register.

Students who are earning a part of their college expenses by outside labor are expected to decrease the amount of college work

accordingly, it being the policy of the College to encourage and to insure quality of work before quantity.

Credit will not be given in a course for which the student has not officially registered.

No degree is conferred except after the completion of at least thirty semester hours' credit, amounting to one year's residence, in this university, twenty-four of which must be completed in the College of Liberal Arts. The senior year must be taken in residence in the College.

A limited number of part-course students who desire to carry less than fifteen hours may be admitted to the College if facilities permit. Such students must meet the regular admission requirements and are subject to the general rules of the College regarding discipline, attendance, etc. The fees charged to part-course students are determined by the amount of work carried. Tuition is charged at the rate of \$10 for each credit hour from one to eleven. Full tuition is charged for twelve or more hours. All students pay the registration fee, and laboratory fees for any laboratory courses selected. Part-course students residing on the campus pay the activities fee and the library fee. Other part-course students pay a proportionate amount of the activities fee and of the library fee.

The College does not offer work by correspondence, and does not give credit for work done elsewhere by correspondence. It does not register non-resident students.

### Prescribed Studies

ALL STUDENTS must complete the following studies:

*Group 1. English*—Twelve hours: English 101-102, Freshman English; and English 211-212, Sophomore English. Freshmen who pass both parts of the admission examination in English are exempt from English 101-102. See pp. 36 and 95.

*Group 2. Foreign Language*—Two years' work (at least twelve hours) in one of the following languages (in addition to all language credits presented for admission): French, German, Greek, Latin, Spanish.

*Group 3. Science*—One year's work in science: biology, chemistry, mathematics, or physics.

*Group 4. Social Science*—Twelve hours distributed over at least two departments: six hours in history or economics, and six additional hours in economics, history, political science, psychology, religion, philosophy, or sociology.

*Group 5. Physical Education*—Six hours. All freshmen, sophomores, and juniors are required to take physical education. Three years' work, amounting to six semesters hours' credit, is thus required for graduation, and unless this requirement has been satisfied by the end of the junior year, the work must be taken in the senior year.

Students excused from any part of the physical education requirement for cause must complete the equivalent amount of academic work.

Students who are interested in special programs of study in preparation for medicine, law, etc., see pages 72 ff.

### Major Studies and Field of Concentration

EVERY CANDIDATE for graduation is required to select during the second semester of the sophomore year the department in which his major work will be completed. In the department thus chosen, the student must complete from 24 to 30 hours of work approved by the head of the department, who becomes the student's adviser. Twelve additional hours, to be approved by the adviser, must be completed in subjects closely related to the major subject. These additional hours may be included in the list of prescribed studies. By this plan, each student is afforded the opportunity to choose a considerable part of his course of study in a field of concentration adapted to his special interests and abilities. Work to be counted toward a major must average a grade of C or better.

A student who enters with advanced credit in his major subject must complete as part of the requirement at least nine hours in his major subject in this College.

The following departments offer majors:

Art	German
Biology	History
Chemistry	Mathematics
Classical Languages	Philosophy
Economics	Physics
Education and Psychology	Political Science
English	Religion
French	Spanish

### Required Work for the Freshman Year

WITH the exception of one or two courses, the work of the freshman year is required. Choices are offered, however, in foreign language and in science.

	<i>Hours</i>
English 101-102 (see pp. 36 and 95).....	3
Foreign Language .....	3 or 4
Science or Mathematics.....	4 or 5
Electives .....	3 to 6
Physical Education 101-102.....	1

### Required Work for the Sophomore Year

THE WORK of the sophomore year allows for two or three elective courses, the rest being required.

	<i>Hours</i>
English 211-212 .....	3
Foreign Language .....	3
History or Economics .....	3
Electives .....	6
Physical Education 201-202.....	1

### Required Work for the Junior and Senior Years

THE WORK of the junior year includes at least ten hours selected from courses numbered in the 300 group. Physical Education 301-302 is required; the rest of the work is elective, subject to the requirements of majors, prescribed studies, and the sequence of courses within departments.

Juniors and seniors must complete at least forty semester hours' credit in courses numbered above 300. Seniors taking courses numbered in the 100 group will receive one hour less credit than the credit announced for those courses.

### Grades and Points

**I**N ADDITION to earning 126 semester, or quantity, credits for graduation, each student must meet a quality requirement whereby he must average C for all courses taken throughout his entire college course. A grade index of 3, as explained below, is required for graduation. (2.99 . . . is not 3.)

Grades in courses are given and recorded as follows: A, excellent; B, good; C, fair; D, poor, but passing; F, failure; I, incomplete; X, condition.

The mark I is given only when some portion of the student's work is unfinished. The mark may be removed and credit secured upon the completion of the work of the course so marked. Unless an I is removed within the semester following that in which it was given, the grade automatically becomes F.

The mark X may be removed and credit received by any means determined by the instructor in the course. A removed X usually becomes a D. Only one examination may be taken to remove an X, and this examination may not be taken until three weeks after the end of the semester in which the X was received. Unless an X is removed within one year, the grade automatically becomes F.

Grade points are determined as follows: For each hour of A, five points; for each hour of B, four points; for each hour of C, three points; for each hour of D, two points; for each hour of I or X, one point; for each hour of F, no points. An average of C—a grade index of 3—in all work taken for college credit is required for graduation.

Grades are reported to parents or guardians within two weeks after the close of each semester. Grades for all students are reported to the Dean of the College twice a semester.

A grade once entered on the permanent record cannot be changed except by vote of the faculty.

## Fees and Expenses

THE COLLEGE YEAR is divided into two semesters of eighteen weeks each. *The entire bill for each semester is payable in full in advance.* Students unable to pay the full amount in cash may make special arrangements in the Bursar's office to pay the amount within 30 or 60 days provided at least one-third of the entire amount due is paid at the time of registration, and provided a note is given for the unpaid balance. Class attendance cards are issued only under these conditions.

The bill for the first semester of the academic year 1931-32 is due not later than Wednesday, September 23, 1931; the bill for the second semester is due not later than Monday, February 1, 1932.

Children of clergymen are allowed a credit of \$25 each semester toward tuition fees; deaconesses and local preachers who definitely intend to continue religious work as a vocation are allowed a credit of \$50 each semester. Such credit is determined on the basis of full-time work; a student who registers for less than twelve hours receives proportionate credit.

The following table indicates the regular college charges for each semester:

Tuition for students who entered 1930 and after..	\$135.00
Tuition for students who entered before September, 1930 .....	100.00
Tuition for less than 12 credit hours—each hour <sup>1</sup> ..	10.00
Activities fee .....	15.00
Library fee .....	5.00
Registration fee (paid only once) .....	10.00
Room in Women's Residence Hall.....	95.00 or 115.00
Room in Hamilton House (men).....	80.00 or 100.00
Room in Men's Gymnasium .....	50.00 or 60.00
Board in College Dining Hall (breakfast and dinner) <sup>2</sup> .....	120.00

<sup>1</sup> Library and activities fees are additional.

<sup>2</sup> Cafeteria luncheons are served at noon in the regular dining room.

Graduation fee (paid only once) .....	10.00
Music, two half-hour lessons a week .....	75.00
Music, one half-hour lesson a week .....	40.00
Piano rental, one hour daily .....	10.00
Late registration in College .....	2.00
Change in registration .....	1.00
Transcript of record (after the first one).....	1.00
Special examination for credit.....	3.00
Special examination to remove condition.....	2.00
Special examination to make up absence.....	1.00
Art.(Corcoran Art School) .....	15.00
Biology laboratory fee .....	10.00
Chemistry laboratory fee .....	10.00
Physics laboratory fee .....	5.00
Psychology laboratory fee .....	5.00

**Tuition Fee.**—The tuition fee covers only one-third of the actual cost of instruction and administration. The remainder of the cost must be provided for by current gifts and by income from endowment funds.

**Registration Fee.**—Each student is required to pay a registration fee of ten dollars. This should accompany the application for admission to the College. This fee is paid only once. It is not returnable after August 1, unless the application for admission is denied.

**Student Activities Fee.**—This fee, amounting to fifteen dollars a semester and assessed by action of the student association, entitles each student to the rent of a private post-office box, a physical examination, subscription to the College paper and to the College annual, and admission to all athletic and forensic contests and to all concerts, lectures, etc., given by the College. This fee must be paid in full in cash at the beginning of each semester.

**Library Fee.**—Each student pays five dollars each semester as a library fee. This is spent in the purchase of books used in connection with the various courses.

**Graduation Fee.**—Each student who takes a degree from the College is required to pay a graduation fee of ten dollars. The fee is payable at the beginning of the second semester of the senior year. It covers the cost of the diploma and the rental of a gown for Senior Week and Commencement Day.

**Late Registration.**—A student who enters the College after the scheduled date of registration will pay a fee of two dollars for late registration.

**Change in Registration.**—A fee of one dollar is charged for any voluntary change made in registration after the fourth meeting of the class in which the student enters. No charge is made for changes effected by the instructor or by the administration. No courses may be entered by any student without the written consent of the instructor after the beginning of the third week of the semester.

**Transcript.**—Each student is furnished one transcript of his college record without charge. For each transcript after the first one, a fee of one dollar is charged. Transcripts will not be given unless all obligations to the College have been paid in full.

**Special Examinations.**—A fee of three dollars is charged for each examination for admission to the College, whether to freshman standing or to advanced standing. A fee of two dollars is charged for each examination to remove a condition. A fee of one dollar is charged for each examination missed by absence, unless the absence is excused by the Dean of the College.

**Laboratory Fees.**—Fees as listed are required in all laboratory courses to defray expenses of materials used in experiments. No fee is assessed for equipment; but breakages are charged to students responsible for them.

**Refunds.**—Since the college program is set up at the beginning of each semester with the expectation that all students who register will continue through the semester, refunds of money paid in advance on the semester account will be made only on the following basis:

a. The registration fee will be refunded only if the application for admission is denied, or if it is cancelled before August 1.

b. The library fee and the student activities fee will not be refunded under any conditions.

c. Proportionate fees for tuition will be refunded if a student withdraws from the College before October 10. After that date no fees for tuition will be refunded except in cases of sickness. If on account of serious illness a student withdraws before the middle of a semester, one-half of his tuition will be refunded, provided he is in honorable standing and secures from a physician a statement that his health will not permit him to remain in attendance.

d. No rebate for board will be allowed for an absence of two weeks or less, or for the first week of a prolonged absence.

e. Rooms in the college dormitories are engaged for a semester. In case a student withdraws from the College for any reason other than sickness, room rent will be charged to the end of the semester. A student obliged to withdraw because of sickness before the middle of the semester will be charged for a half semester only.

## Student Aid

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THE COLLEGE has some facilities for aiding students who are in need of financial assistance while pursuing their studies. Scholarship funds and loan funds are available for a limited number of students, and the College offers opportunity for a few students to earn a part of their expenses.

Application blanks for aid from these sources may be secured from the Dean of the College. All applications for assistance are carefully investigated, and the names of deserving students are placed upon an approved list to receive aid if funds or work may be available. In awarding scholarships, or granting loans, or assigning working positions, the committee will take into account scholastic attainment, efficiency, reliability, promise, and need.

Students who receive financial assistance of any kind are expected to live economically and in harmony with the ideals and the regulations of the College. They are expected also to maintain high scholarship. Assistance will be withdrawn from any student who does not live in complete harmony with the ideals and the regulations of the College or who falls below an average of a grade of C in any semester's work.

### Scholarships

STUDENTS who are awarded scholarships are expected to devote their entire time to college studies. No employment may be entered into except upon permission of the Dean of the College, secured in advance. As a rule, scholarships are awarded only to students who rank in the upper fourth of the class, who possess good health, who show promise of high-grade work, and who are under twenty-five years of age.

**Foundation Scholarships.**—In recognition of the founding of the College, the Trustees have established forty-eight Foundation Scholarships—one for each State in the Union—to the value of \$500 each. The scholarships are awarded annually to new

students, preferably freshmen. The amount is credited on tuition as follows: \$200 for the first year; and, if the student maintains an average better than C, \$100 for each of the three remaining years.

Applications for Foundation Scholarships must be received not later than May 1.

The Iowa Scholarship has been endowed by Mr. John C. Letts, President of the Board of Trustees, in honor of his daughter Catherine. The Kansas Scholarship also has been endowed by Mr. Letts in honor of his daughter Minnie. The Missouri Scholarship has been endowed by Mrs. Nannie C. Lucas as the John H. and Nannie C. Lucas Memorial Scholarship.

**Seminary Scholarships.**—Each of the secondary schools sponsored by the Methodist Episcopal Church has been granted an annual scholarship good for two years. For the first year it will equal the tuition charges in the College; for the second year it will be renewed as a half-tuition scholarship, provided the student averages better than C in the first year's work in the College. The award is made by the faculties of the seminaries. To be eligible to selection, the candidate must possess good character and good health, must rank in the first fourth of the graduating class, and must give promise of being able to carry a college course with distinction.

**District of Columbia Scholarships.**—Each of the five public high schools in the District of Columbia has been granted two annual scholarships—one for a boy and one for a girl—amounting to half the charges for tuition. The award is made by the faculties of the high schools on the basis of scholastic attainment, and will be renewed for the second year to those students who average better than C in their first year's work in college. The awards of these scholarships are announced at the high school commencement in June.

#### Loan Funds

**A**S A RULE loan funds are not available to freshmen during their first semester's residence in the College.

**The Ida Letts Educational Fund.**—Mr. John C. Letts, President of the Board of Trustees, has established a loan fund for men in honor of his wife. The fund, amounting to \$60,000, is held in trust by the University, and the income derived from it is used as a loan fund for men of the College who may need financial assistance in completing their college course. Applications for loans from this fund must be made to the Business Manager of the University and must be approved in advance by the committee of the trustees appointed to administer the fund. Each borrower signs a promissory note bearing 2 per cent interest while he is in college and 6 per cent after his graduation. Each note is payable in full not later than five years after the student has terminated his attendance at the University.

**The William V. Long Fund.**—Mr. William V. Long, of Philadelphia, has established a loan fund for women, preferably juniors and seniors. Applications for loans from this fund must be made to the Dean of the College. Loans carry 4 per cent interest from date and are payable within one year after the borrower's graduation.

**The Student Loan Fund of the Methodist Episcopal Church.**—A limited number of worthy students, members of the Methodist Episcopal Church, may secure loans from the Student Loan Fund administered by the Board of Education of that Church. Christian character, satisfactory scholarship, promise of usefulness, financial responsibility, and the recommendation of the church to which the applicant belongs are essential to a loan. Each borrower must sign an interest-bearing promissory note. Detailed information may be secured from the Dean of the College.

**The Masonic Loan Fund.**—The Grand Commandery Knights Templar of the District of Columbia and of the various States in the Union maintains an educational loan fund for college men and women who are sons or daughters of members of the Masonic Order. Applications should be made to the committee of the State in which the student resides.

**The P. E. O. Society Loan Fund.**—The P. E. O. Society, a national organization of women devoted to educational and benevo-

lent enterprises, maintains an educational fund for the aid of young women in college. Applications should be made to some local chapter of this organization.

### Student Employment

THE COLLEGE does not encourage students to enter who are entirely without resources. Those who are in earnest, however, and have a faculty for helping themselves can earn a considerable part of their expenses while attending college. Although no pledge can be made to furnish work to students, aid in finding work will gladly be given through the Dean's office. Students who are earning a part of their expenses are expected to carry less than the ordinary amount of college work, it being the policy of the College to encourage and to insure quality of work before quantity.

The working positions on the campus and in the dining room and college buildings are usually assigned to students who have been in the College for one year or more.

## Prizes and Honors

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IN ORDER to stimulate high endeavor in scholarship and in other intellectual activities, the College has established several competitive prizes and has adopted a system of class and graduation honors.

### Prizes

THE FOLLOWING competitive prizes are open to all students:

**Faculty Prizes.**—The members of the faculty of the College of Liberal Arts offer each year two prizes of \$15 each to the two students (a man and a woman) who rank highest in scholarship for the work of the college year. In awarding this prize, the committee will take into account both the quality and the quantity of work done.

**College Honor Prize.**—Two friends of the College have established a prize of fifty dollars to be awarded annually to that member of the graduating class who during the four years of residence has made the largest contribution to the College. The name of the successful student is engraved upon the Kinsman Cup, given to the College by Dr. Delos O. Kinsman, Professor of Economics. The faculty reserves the right to withhold the award if an acceptable candidate is not found.

In making the award the faculty will take into account the following groups of qualities:

1. Scholastic ability and attainments.
2. Qualities of character, including integrity, courage, devotion to duty, sympathy, and unselfishness.
3. Qualities of leadership, including initiative, spirit of coöperation, and moral force.
4. Physical vigor, as shown by interest in sports or in other ways that make for physical well-being.

### Class and Graduation Honors

AT THE CLOSE of each semester, honors are announced for each college class, based upon the work of one semester only. To be eligible to class honors, a student must be regularly enrolled in at least fourteen hours of work in the College of Liberal Arts. To receive class honors a freshman must attain a grade index of 4.10; a sophomore, 4.20; a junior, 4.32; a senior, 4.45.

To be eligible to graduation honors a student must have completed at least fifty semester hours' credit in the College and must have been in residence at least two years.

Graduation honors are awarded as follows: Students whose grade index for all work taken at this college is 4.25 will be granted a degree *cum laude*; those whose grade index is 4.50, *magna cum laude*; those whose grade index is 4.75, *summa cum laude*.

### Forensic Honors

A LOCAL honorary forensic fraternity, Delta Omicron, has been organized for the purpose of granting recognition to those students who excel in the field of debate and oratory. A student to be eligible for membership in this organization must have been a member of the varsity debate squad for two years and must have participated in at least three intercollegiate debates or he must have represented the College in at least one intercollegiate oratorical contest and have won either first or second place.

## General Regulations

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### Discipline and Conduct

IT is the aim to have the discipline of the College firm, reasonable, and sympathetic. In all matters pertaining to personal conduct, students are expected to behave as responsible citizens and members of a Christian community. Any student who becomes antagonistic to the spirit and methods of the institution, or who fails to accomplish the object for which he is sent to college, thereby severs his connection with the College and will be dismissed whenever the general welfare may require it. Every effort will be made to stimulate the student to honest, conscientious effort, but the College is not willing to undertake the problem of disciplining students who are not in sympathy with its purposes.

Hazing of all forms is strictly forbidden, as is also smoking on the campus or in or about college buildings, gambling, and the use of intoxicating liquors. Young women attending the College are expected to refrain from smoking at all times, both on and off the campus. Students who are not in sympathy with these regulations and who are not willing to conform to them should not register in the College.

### Automobiles

STUDENTS living on the campus are not permitted to maintain pleasure automobiles or motor cars. Students living elsewhere may maintain automobiles only by special permission of the Faculty. Each automobile owned or operated by students must be registered in the Dean's office. Applications for the use of automobiles must be presented to the Registrar. Students living at home are exempt from automobile restrictions except by special action of the Faculty.

### Registration

REGISTRATION for all students for the first semester of 1931-32 will be held on Monday and Tuesday, September 21 and 22, in Hurst Hall. Students who register later than September 23 will pay a fee of two dollars for late registration. Students will

not be admitted to the College after the beginning of the third week of the semester, including the week of registration.

In making up his program of studies for any semester, the student must give precedence to prescribed courses in the order in which they are designated in the curriculum (see page 42).

Credit will not be given in a course for which the student has not officially registered.

### Foreign Languages

STUDENTS continuing a foreign language in which they have had two years' preparation in high school, will register for the second-year course (No. 201-202). If they have had only one year of preparation in language, and desire to continue the subject, they are admitted to the first-year course, but college credit will not be counted towards graduation for the work of the first semester if the first-year preparatory course is needed to satisfy the entrance requirements.

### Physical Education

ALL freshmen, sophomores, and juniors are required to take physical education. Three years' work is thus required for graduation, and unless this requirement has been satisfied by the end of the junior year, the work must be taken in the senior year.

The purpose of this training is to keep the students in first-class physical condition and to lead them to appreciate the value of regular habits of physical exercise in promoting good health. Corrective work is given for those physically unable to take the prescribed courses.

As soon after registration as possible, each full-time student in the College will be given a thorough physical examination by a competent physician.

Students excused from any part of the physical education requirement for cause must complete the equivalent amount of academic work.

### Faculty Advisers

EACH student on entering the College is assigned to a member of the faculty who is to act as his adviser and give him helpful counsel relating to his college life. The student is required to submit his choice of studies for each semester to his adviser and to obtain approval of them before completing his registration; all changes in registration during the year must likewise receive the adviser's approval. At the close of the second year when the student makes choice of the department in which he will do his major work, the head of that department becomes his adviser, and this adviser should be consulted freely on all matters relating to subsequent registrations.

### Change in Registration

AFTER a student's program of studies has been approved at the beginning of each semester, it is not subject to change except upon recommendation of the student's adviser and with the written approval of the instructors concerned and of the Dean. An official card for use in changing courses may be secured in the Registrar's office. A fee of one dollar is charged for any voluntary change made in registration after the fourth meeting of the class in which the student enters.

A course dropped without permission is regarded as a failure and is so recorded. Any course dropped after the beginning of the sixth week of the semester will be recorded as a failure.

Credit will not be given in a course for which the student has not officially registered.

### Class and Chapel Attendance

STUDENTS are required to attend regularly all college exercises—the classes for which they have registered, laboratory sessions, conferences, and daily chapel services. Each student is held responsible for all work missed, and shall make up this work to the satisfaction of the instructors concerned. The responsibility for

securing from the instructors the assignment for work to be made up rests wholly upon the student.

The number of absences allowed during a semester in any course equals the number of semester hours credit for that course. If the number of absences exceeds the number allowed by one or two, the student will lose one hour credit of grade C from his semester's record. If the number of absences exceeds twice the number allowed, a grade of F will be given for that course.

Absence from the last recitation of a class preceding a vacation or a holiday, or from the first recitation of a class following a vacation or a holiday, shall be equivalent to two absences.

Two tardinesses to a class, unless excused by the instructor, shall be regarded as equivalent to one absence.

Each student is allowed ten absences from chapel during the semester. If a student has one or two chapel absences over the ten allowed, he will lose one hour credit of grade C from his semester's record, and one hour credit of grade C for succeeding absences applied in the same manner. This allowance is meant to provide for emergencies or special cases. Absences should therefore be saved for this purpose.

The operation of the rule on absences may be suspended or modified in individual cases by action of the Faculty Committee on Absences. Prolonged illness certified by a physician, regular trips for athletic contests, debates, etc., and appointment to special working positions preceding the Christmas vacation will be considered as legitimate reasons for absence from classes and chapel. Permission to be absent from the College on account of athletic trips, debates, etc., must be secured in advance of the absence.

As a rule absences in excess of the number allowed will not be excused if the student has previously used the total number permitted without penalty.

Parents living a short distance from the College are urged not to interfere with the work and progress of the student by encouraging or permitting frequent visits home, especially over weekends.

### Examinations

REGULAR written examinations are held at the close of each semester; they occupy from two to three hours. At the close of the year the final examination in a year course may cover the work of the entire year. In addition to these regular examinations, tests and written recitations are held frequently during the year, with or without previous notice to the class, as the instructor prefers.

Special examinations to remove conditions may be taken any time after the lapse of three weeks, subject to the approval of the instructor concerned. Only one examination may be taken to remove a condition. A fee of two dollars, payable in advance at the Bursar's office, is charged for each special examination.

All unexcused absences from tests and examinations count as failures and are so recorded.

### Failures, Probation, and Dismissal

STUDENTS who are below passing in any subject at a time when grades are reported to the Dean will receive official warning; those who fail to secure a passing grade in more than one course will be placed upon probation until at some subsequent grade report, as announced in the College Calendar, they are reported passing in all subjects for which they are registered at that time. If probation students do not make satisfactory improvement in their grades by the time of the next regular grade report, they may be asked to withdraw from the College.

Students who fail in any given semester to make normal progress toward graduation will be warned and may be placed upon probation.

A student who receives at the end of any semester after the first in residence a grade of F in one-half of the work for which he is registered, exclusive of physical education, will automatically be dropped from the College. A condition in any course will be counted as equivalent to a failure to the amount of one hour less than the number of credit-hours in that course.

Although it is the obvious duty of the College to stimulate the intellectual life of the students, those who fail to respond to such stimulus, who show lack of aptitude, lack of application, lack of purpose, have no real place in the College community. Besides wasting valuable time and money—theirs and others—they interfere with the intellectual development of more serious students and retard the promotion of those purposes and ideals for which the institution stands. Therefore, students who fail to attain a grade index of 2.50 by the end of the sophomore year may be asked to withdraw from the College. In order to graduate from the College, a student must attain a grade index of 3.00.

### Eligibility Requirements

**T**O BE ELIGIBLE to represent the College publicly in extra-curricular or intercollegiate activities, a student must meet the following requirements:

1. He must be in good standing and must be regularly enrolled in the College for not less than twelve semester hours of work, exclusive of physical education, during the current semester.

2. During the preceding semester, he must have passed in twelve hours of work in the College, exclusive of physical education, and he must have attained a grade index for all courses for which he was enrolled during that semester of at least 2.35.

3. His grade index at the close of a given semester of residence for all work previously taken in this college, exclusive of physical education, and the number of hours credit previously earned shall be as follows:

<i>End of Semester</i>	<i>Hours Credit</i>	<i>Grade Index</i>
First .....	12.....	2.35
Second .....	26.....	2.50
Third .....	41.....	2.60
Fourth .....	56.....	2.70
Fifth .....	72.....	2.80
Sixth .....	88.....	2.90
Seventh .....	104.....	3.00

**Freshmen.**—All freshmen who attain a grade index of 2.35 at the time of the first mid-semester grade report, for all work in which they are enrolled, exclusive of physical education, are eligible until the end of the first semester. Subsequent eligibility shall be determined in accordance with the table under 3.

**Transfers.**—Students entering the College with an average of C from other institutions are eligible during the first semester. Subsequent eligibility shall be determined in accordance with the table under 3, the position in the table being determined by adding the number of hours of advanced credit to the number of credit hours taken in this College during the first semester. The grade index of transfer students, however, shall be determined only on the work taken in this College.

**Probation.**—Any student placed upon probation for whatever cause immediately becomes ineligible.

**Eighth-Semester Rule.**—A student becomes ineligible after his eighth semester in residence in college.

**Method of Determining Grade Index.**—In determining the grade index of a student all grades entered upon his permanent record in the Registrar's office shall be counted and evaluated as follows: Each hour of grade A counts 5; B, 4; C, 3; D, 2; I or X, 1; and F, 0. The total sum of grade points divided by the total number of credit hours attached to the courses regularly carried will give the grade index.

**Time and Period of Application.**—The grade index determined at the end of any given semester shall become effective at 12 o'clock noon of the eighth day of the succeeding semester and shall remain in effect for one semester, except in the case of a student who has received I's or X's at the close of the semester. When those grades are changed on the permanent record, a new grade index shall be determined that shall become effective immediately.

**Activities Concerned.**—Eligibility regulations shall not be applicable to interclass or intramural athletics or to any campus activity not presented in a public way. They shall apply only to

extra-curricular activities which are not taken in a regularly registered course of study and which carry no academic credit.

Students who are elected or appointed to any office in connection with any student activity or any student organization must have a cumulative grade index of at least 3.00 at the time of election. Failing to maintain that index at the end of a semester while they are in office, they automatically and immediately lose their right to hold office.

### Classification of Students

**A**LL STUDENTS in the College are classified at the beginning of each semester as follows:

**Freshmen.**—Those who meet the admission requirements and who carry not less than twelve semester hours.

**Sophomores.**—Those who have secured at least twenty-four semester hour credits and who have a grade index of 2.4.

**Juniors.**—Those who have secured at least fifty-four semester hour credits and who have a grade index of 2.6.

**Seniors.**—Those who have secured at least eighty-four semester hour credits and who have a grade index of 2.8.

**Special or Part-time Students.**—Those who are registered for less than twelve hours of work and who are not candidates for a degree.

All special or part-time students must meet in full the requirements for admission, and if they have attended other institutions of college rank, they must present a complete transcript of their work and a certificate of honorable dismissal. They must pay the registration fee, tuition fees at the rate of ten dollars for each credit hour, laboratory fees in any laboratory courses being taken, and a proportionate amount of the activities fee and of the library fee.

### College Year and Schedule

**T**HE COLLEGE YEAR is divided into two semesters of eighteen weeks each. The first semester begins on the third Monday in September, the second near the first of February. Commencement is held on the first Monday in June.

Classes meet two to five times a week, beginning on Monday. Class periods are fifty minutes in length; laboratory periods are from two to three hours in length. As a rule all laboratory work is given in the afternoon.

A schedule showing the exact hours of class and laboratory sessions is issued in August of each year.

In so far as possible, Saturday is kept free of classes in order to give students an opportunity to visit the numerous museums, libraries, art galleries, and other places of interest in Washington.

### Student Organizations

NO SOCIETY or association may be organized among the students, without the permission of the Faculty, and no change in the character or regulations of any society or association may be made without such permission.

A petition for permission to organize any society or association, or to effect any change in any society or association already organized must be presented to the Faculty Committee on Student Organizations. Such petition shall give full information regarding the proposed organization or change and shall be accompanied with a copy of the constitution, and with a list of the names of students who comprise such organization.

The Faculty reserves the right to withdraw its authorization from any society or association of students whenever the wellbeing of the College may require such action.

Treasurers of all student organizations shall keep an accurate record of all income and of all expenditures, and shall submit their books for audit to the Faculty Auditing Committee at the close of each semester. All funds must be deposited with the student comptroller. See page 66.

### Student Entertainments and Social Events

ORGANIZATIONS or groups of students desiring to give special or public entertainments, dramatic performances, etc., must first secure permission from the Faculty Committee on Student Entertainments.

A college class or other organization or group desiring to arrange for a social gathering, either on or off the campus, must first secure permission, by petition, from the Faculty Social Committee.

Any organization or group of students desiring to use a college building or room for special events must first secure permission from the Faculty Social Committee. Dates for such events must be entered in the College Date Book in the Registrar's Office. Priority of entry shall prevail.

Organizations or groups using college buildings or rooms must assume full responsibility for the care of buildings and furnishings during the period involved and shall see that everything is left in its normal condition.

### Social and Religious Activities

THE SOCIAL activities of the College are under the supervision of the Faculty, and every effort is made to provide a natural and wholesome social life. Living conditions in the Women's Residence Hall are made as home-like as possible. A dean of women, living in the Hall, presides over the interests of the young women.

A chapel service, conducted by members of the Faculty, is held at ten o'clock each week day except Saturday in the assembly room of the recitation building.

The students have a helpful opportunity for the expression of their religious interests and convictions in a weekly Vesper Service conducted in the parlors of the Women's Residence Hall on Sunday evenings. A student committee is in charge of the services. Varied and interesting programs are presented consisting of special music, short talks, and discussions of vital problems of practical interest.

It is the aim of the College to cultivate and develop the religious nature of the student and to create and maintain a religious sentiment that shall be in harmony with the best thought of our Christian civilization. It is the hope that all the influences of the College may count for the development of strong and well-grounded characters.

### Fraternities and Sororities

The Faculty and the Trustees have approved the formation of fraternities and sororities in the College under certain definite regulations. The following are the more important:

1. *Constitution.* The constitution and by-laws of any social group must be approved by the faculty.
2. *Eligibility.* To be eligible to initiation a student must have a grade index on the permanent record of at least 3—that is, an average of C in all work taken in college. He must be registered for at least 12 hours of work exclusive of physical education, and he must have secured an average of C in all work registered for in the preceding semester. No student shall be eligible to membership in a fraternity or sorority until he has completed at least twelve hours of academic credit in the College.
3. *Probation.* A society will be placed upon probation when the scholastic average of all resident initiates falls below 3.25. A society that violates any of the faculty provisions shall automatically be placed upon probation. A society placed upon probation shall be denied the right to initiate members and to hold any social functions during the period of probation.
4. *Finances.* All financial accounts of societies shall be audited at least once a semester by the Faculty Auditing Committee. All financial ventures must be approved in advance by the faculty committee, and the societies are under obligation to follow all recommendations of the committee.
5. *Initiation.* The following provisions shall obtain regarding initiation:
  - a. There shall be no public initiation.
  - b. There shall be no program of initiation that humiliates the student, that impairs or jeopardizes his physical or mental condition, that restricts his free physical movement, or that interferes with his program of studies.

- c. There shall be no vulgarity in initiation.
  - d. There shall be no so-called "rough-house" initiation of any sort—public or private.
  - e. All mock initiation features shall be confined to twenty-four hours between Friday noon and Saturday noon and shall not be effective in public.
6. *Social Events.* The number of social events held each year, or semester, by any fraternity or sorority is determined by the faculty social committee.
7. *Interfraternity Council.* Matters of common interest among the social groups shall be considered by the Interfraternity Council composed of the presidents of the various groups, of the Dean of Women, and of the Dean of the College. The Dean of the College, or his appointee, shall serve as chairman of the council.
8. The following social groups have been approved by the Faculty and Trustees:

*Men's Group*

Alpha Theta Phi  
Jesters  
Phi Beta Zeta

*Women's Group*

Alpha Chi  
Epsilon Kappa  
Phi Sigma Beta  
Swagger

## Student Activities

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COLLEGE LIFE affords unusual opportunities for the development of student leadership through the promotion of student activities. The interests of the students enrolled in the College have taken form in various ways, all suggesting enthusiastic effort at self-expression. No organization may be formed without the approval of the faculty.

**The Brahmin Honor Society.**—Membership in the Brahmin Honor Society is limited to the outstanding juniors and seniors in the College who have achieved distinction in extra-curricular activities, and who stand high in scholarship.

**Student Comptroller.**—In order to centralize the financial administration of student activities and to eliminate the necessity of the treasurers of various student organizations maintaining numerous small bank accounts, the Dean of the College appoints each year a student comptroller. He receives from the Bursar the proceeds of the Student Activities Fee at the beginning of each semester and allocates these funds on his books to the credit of the various organizations or activities as determined by the faculty. He receives also all fees collected by student organizations, classes, clubs, etc., and all proceeds from athletic contests and dances. He makes disbursement of funds upon the presentation of authorized vouchers. The comptroller is under bond and works in close coöperation with the Faculty Auditing Committee.

**The Student Council.**—This is an organization of representatives of the four College classes, formed for the purpose of promoting and directing the affairs of the Student Government Association. The Council is composed of two seniors, two juniors, two sophomores, and one freshman. Each class elects its own representatives.

**The Student Government Association.**—This is an organization including all the students in the College. The president of the Association is the chairman of the Student Council. The purpose of the Association is to organize the students of the College

so that the problems involving the entire group may be given adequate consideration. The Association encourages student activities, fosters college spirit, contributes to tradition, and promotes coöperation between the faculty and the students.

**Women's Student Government Association.**—This association was organized in order that the young women living in the Residence Hall may assume some responsibility for their own social life and that they may also learn to adjust themselves to the new demands of their group association. Through the management of their student affairs the women train themselves for citizenship at the same time that they develop self-expression.

**College Paper.**—The Students of the College issue every two weeks a newspaper called *The American Eagle*. The paper is under the direction of the American Eagle Council, composed of faculty and student representatives. Work on the paper affords practical experience for students interested in journalism.

**College Annual.**—The College Annual—*The Aucola*—is issued each spring by the junior class of the College.

**The Orchestra.**—The College Orchestra is composed of sixteen members and is under the direction of Dr. C. H. Leineweber. It plays for chapel services and furnishes music for various college functions and entertainments.

**The Glee Clubs.**—The Men's Glee Club is composed of thirty voices and is under the direction of Mr. Harlan Randall. The Women's Glee Club is under the direction of Prof. W. F. Shenton.

**Dramatics.**—Several dramatic performances are given each year under the direction of Professor Will Hutchins. Students who enroll for this work constitute a regular class each semester. The work culminates in a major production every spring in which one of the recognized classics of dramatic literature is given. The plays so given have been as follows: Sheridan's "The Rivals," 1926; "As You Like It," 1927; "Twelfth Night," 1928; "The Merchant of Venice," 1929; "A Midsummer Night's Dream," 1930. "Romeo and Juliet" is scheduled for 1931. In addition to

these, less difficult plays, mostly modern, are in rehearsal constantly, and it is the policy of the organization to give every student enrolled an opportunity to share in the work to the extent of his individual ability. A commodious and well designed stage, as well as a beautiful outdoor sylvan theatre now in process of development, affords unusual facilities for this work. It is the policy of the College to give recognition to the work, and to give most careful attention to it, as a regular branch of academic training as well as a student activity.

**Debate and Oratory.**—Work in debate and oratory is given especial emphasis in the College. Three intercollegiate debates were held in 1925-26, three in 1926-27, ten in 1927-28, and fifteen in 1928-29.

In 1929-1930, fourteen men's debates were held and seven women's debates. Two questions were used. Fifteen men and six women took part in the debates. The following institutions were included in the schedule: Washington and Lee, Ohio Wesleyan (two), Swarthmore (two), Colgate (two), New York (two), Rutgers (two), Syracuse (two), West Virginia, St. Johns, Princeton (two), Bucknell, Western Reserve, and Hood (two).

In 1930-31 fourteen men's debates were held and six women's debates. Three questions were used. The following institutions were included in the schedule: Bates, Bucknell, Carleton, Colgate, Cincinnati, Dickinson, Elmira, Harvard, Haverford, New York, Princeton, Richmond, Rutgers, Shepherd, Syracuse, Temple, Western Reserve, and William and Mary.

**Athletics.**—All work in athletics is carried on under the direction of the faculty. Teams in football and basketball are organized and trained under competent supervision. Intra-mural work in baseball, track, and tennis is carried on during the spring months.

The football schedule for 1930 included games with the following institutions: Shepherd College, Shenandoah College, Gallaudet College, High Point College, St. John's College, and Catholic University.

The basketball schedule for 1930-31 included games with the following institutions: Catholic University, Duquesne University, Maryland State Normal, Virginia Medical College, Carnegie Institute, Hampden-Sidney College, Salem College, Davis and Elkins College, Elon College, Gallaudet College, St. John's College, and the United States Naval Academy.

The three major sports for women in each successive season are field hockey, basketball, and soccer. Emphasis is also placed on archery, swimming, volleyball, tennis, and baseball. No inter-collegiate games are played, but an extensive class competition is held in each sport, and an Intercollegiate Play Day is arranged in the spring.

**The French Club.**—The purpose of the French Club is to foster an interest in French life and customs, and to furnish additional opportunities for talking French. All students who have had two years of high school French are eligible to membership. Meetings are held once a month. A literary and musical program is followed by a dinner. French is the language of all meetings. The Club is managed by student officers, with a member of the faculty as adviser.

**The International Relations Club.**—The International Relations Club is organized for the study of international problems. The Club is one of the one hundred and seven chapters of a national honorary political science fraternity sponsored by the Carnegie Endowment for International Peace. This is the only chapter in the District of Columbia. A liberal number of books and current publications are provided by the endowment and are placed on a reserve shelf in the College library. Membership in the Club may not exceed twenty-five in number, and is limited to those students of high scholastic standing who are especially interested in international affairs.

**The Oxford Fellowship.**—The Oxford Fellowship is an association chartered by the National Oxford Fellowship, a national organization of ministerial students in colleges and universities. The fellowship aims especially to be helpful to its members while

they are in college. The local chapter sponsors group discussions on matters of importance and arranges for lectures by outstanding religious leaders. Members are encouraged to participate in as many college activities as possible. The chief objective of the organization is to promote the spirit of fellowship and understanding among all students of whatever faith.

**The Poetry Club.**—The Poetry Club (Omicron Epsilon Pi) was organized by a group of students interested in the reading and writing of poetry. The purpose of the Club is to furnish an outlet for student talent, and to encourage an intelligent appreciation of various types and forms of poetry. Membership may be secured by submitting a specimen of original poetry to the members of the Club for approval.

**The Brecky Club.**—The Brecky Club (Beta Chi) is composed of the graduates of Central High School, of Washington, who are attending the College. The Club is interested primarily in promoting the welfare of the College by presenting its opportunities to various local high school groups through addresses, plays, and social activities. The Club meets bi-monthly.

**The Westerner Club.**—The Westerner Club is composed of the graduates of Western High School of Washington, who are attending the College. The Club is organized to promote the welfare of the College through friendships established in high school.

**The Anglican Club.**—The Anglican Club is composed of students and members of the faculty who are members of the Anglican Church or who are interested in it. It is the object of the Club to promote Christian fellowship in the University. The Club is a member of the Tri-Diocesan Conference, an organization of Episcopal Clubs in the colleges and universities of this diocese.

**The Student Religious Council.**—The Student Religious Council, composed of the executives of the Vesper Committee, the Oxford Fellowship, and the Anglican Club, and the faculty adviser, is organized to coördinate the religious activities on the campus and to promote the religious welfare of the College community.

**Women's Athletic Association.**—The purpose of the Women's Athletic Association is to promote sportsmanship and fellowship among the young women of the College. This group encourages the active participation of the women in various sports. Because good health promotes efficiency in work as well as enjoyment of life, the Association is interested in any project that emphasizes the normal development of the body.

#### **Women's Guild and Faculty Women's Club**

**T**HE WOMEN'S GUILD of American University is an organization composed of a number of women in Washington who are interested in promoting the welfare of the University. It was organized in 1900. The Guild has contributed generously to the furnishings of the Women's Residence Hall. The immediate objective of the Guild is to establish scholarship and loan funds for the young women of the College.

**T**HE FACULTY WOMEN'S CLUB is composed of the women on the faculty of the College and the wives of the men on the faculty. The Club promotes fellowship among the members of the faculty and entertains the students of the College at various times during the year.

## Special Programs of Study

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THE COLLEGE is interested primarily in the four-year course leading to the B.A. degree. It believes thoroughly in the cultural value of the full college course, and encourages students to acquire as sound and as broad an academic training as possible. On this account, the College prefers that students pursue studies in a reasonable field of concentration rather than accumulate credits that suggest narrow specialization. It should be borne in mind, moreover, that the formation of habits of coherent thinking, of accurate observation of facts, and of sane critical judgment, together with the development of an ability to use clear and effective English, in speech and in writing, is far more important than any set program of studies. For the guidance of students, however, who may desire later to pursue technical or professional studies, the following special programs of college work are suggested. They conform to the requirements of the best technical and professional schools in the country.

### Vocational Guidance

A faculty committee on vocational guidance aids students in their consideration of life work. The committee coöperates with a student committee in presenting during the second semester of each year a program of addresses and conferences on the requirements, opportunities, and obligations of various professions.

### Preparation for Graduate Work

STUDENTS who contemplate doing graduate work leading to the degree of M.A. or Ph.D. in any department of a university should bear in mind that a reading knowledge of French and German is nearly always required. Hence at least two years of work in each language should be taken as early as possible. The work of the last three years in college should be arranged after consultation with the heads of the departments in which the student expects

to major and minor. Students planning to do graduate work should strive to maintain a grade index of 4 or better.

### Preparation for Teaching

**S**TUDENTS who expect to teach in high school should familiarize themselves with the specific requirements of the state in which they expect to teach. As a rule from fifteen to twenty-four hours should be taken in the Department of Education to meet the various state requirements. The specific requirements are on file in the office of the Department of Education. The completion of a major in one subject and of a minor in two subjects is recommended.

### Preparation for Professional Christian Service

**C**ANDIDATES for the Christian ministry should secure the broadest possible training, keeping in mind the foundation necessary for post-graduate courses. Students interested in social service should have a thorough knowledge of their special field, together with its problems and opportunities. To these ends a student preparing for the Christian ministry or for the mission field, for a position as director of religious education, social service worker, Christian Association secretary, Scout executive or Boys' Work secretary, should major under the direction of the department of religion. He will thus become familiar with the specific requirements of his particular field, and will secure the necessary background for the largest possible service and for the work of the seminary and graduate school. For specific recommendations see the requirements for a major under the department of religion.

### Preparation for Medicine or Dentistry

**T**HOROUGH training in biology, chemistry, physics, and mathematics is demanded of students who expect to study medicine or dentistry. A reading knowledge of French or German is required by most medical schools. Courses in psychology are also useful.

Competition for admission into the best medical schools of the country is so keen that the application of a student who averages lower than B in his college work is likely to be rejected.

### Preparation for Law

**S**TUDENTS preparing for law should major in history and political science. Courses in English and American history, particularly those dealing with constitutional problems, are especially important. Courses in economics, sociology, psychology, logic, ethics, English, and public speaking are also desirable.

### Preparation for Engineering

**E**NGINEERING schools are very exacting in their requirements for admission. A thorough grounding in mathematics and physics is demanded, including work in trigonometry, surveying, descriptive geometry, calculus, general physics, and mechanics. Two years' work in chemistry is also required.

### Preparation for Business

**S**TUDENTS who expect to engage in business will naturally major in economics and business administration. Selected courses in psychology, history, political science, English, and public speaking will also prove useful.

### Preparation for Government Service

**S**TUDENTS who look forward to securing employment in the various bureaus of the United States Government should become familiar with the specific requirements for the position desired. Positions in plant industry, biological survey, entomology, chemistry, and physics demand a thorough knowledge of subjects related to those special fields. Positions in the children's bureau, social welfare, economics, vocational guidance, etc., require, in addition to specialized courses, a broader knowledge of social conditions, psychology, and economic and political philosophy. Courses in history, English, and speech are especially useful.

## Suggested Four-Year Programs

### Specialization in Chemistry

#### *Freshman Year*

General Chemistry (Chem. 101-102)  
Freshman English (Eng. 101-102)  
Beginning German (Ger. 101-102)  
Algebra and Trigonometry (Math. 101-102)  
Physical Education 101-102

#### *Junior Year*

Organic Chemistry (Chem. 301-302)  
History of Economics  
Electricity and Magnetism (Phys. 203-204)  
Sophomore English (Eng. 211-212)  
Physical Education 301-302

#### *Sophomore Year*

Analytical Chemistry (Chem. 201-202)  
Scientific German (Ger. 201-202)  
Calculus (Math. 201-202)  
General Physics (Phys. 201-202)  
Physical Education 201-202

#### *Senior Year*

Physical Chemistry (Chem. 311-312)  
Chemistry 400's (One course)  
Social Science or Electives to complete graduation requirements.

### Specialization in Economics and Business Administration

#### *Freshman Year*

Our Economic World (Econ. 101-102)  
Freshman English (Eng. 101-102)  
General Chemistry (Chem. 101-102)  
Modern Foreign Language  
Physical Education 101-102

#### *Junior Year*

Money and Banking (Econ. 303-304)  
Labor Problems (Econ. 305)  
Business Administration (Econ. 405)  
Business Law (Econ. 354)  
Marketing (Econ. 406)  
History and Electives  
Physical Education 301-302

#### *Sophomore Year*

Principles of Economics (Econ. 201-202)  
Principles of Accounting (Econ. 351-352)  
Sophomore English (Eng. 211-212)  
Modern Foreign Language  
Physical Education 201-202

#### *Senior Year*

Spending and Investing (Econ. 403)  
Corporations and Trusts (Econ. 301)  
Capitalism and Its Critics (Econ. 401-402)  
Finance and Taxation (Econ. 404)  
Business Finance (Econ. 408)  
Electives

## Specialization in Education

### *Freshman Year*

Freshman English (Eng. 101-102)  
 Science or Mathematics  
 Foreign Language  
 History (101-102) or Psychology  
 (Ed. 103-104)  
 Physical Education 101-102

### *Junior Year*

Educ. Psych. (Ed. 301)  
 Prin. of Educ. (Ed. 302)  
 Physical Education 301-302  
 Major Subjects  
 Electives

### *Sophomore Year*

Sophomore English (Eng. 211-212)  
 Foreign Language  
 Psychology (Ed. 103-104) or His-  
 tory (101-102)  
 Physical Education 201-202  
 Electives

### *Senior Year*

Prin. of Teaching (Ed. 405)  
 Obs. & Prac. Teach. (Ed. 413-414)  
 High School Adm. (Ed. 408)  
 Tests and Measurements (Ed. 410)  
 Electives

## Specialization in Physics

### *Freshman Year*

General Physics (Physics 201-202)  
 Freshman Mathematics (Math. 101-  
 102)  
 Freshman English (Eng. 101-102)  
 German or French  
 Physical Education 101-102

### *Junior Year*

Physics 303-304 or 301-302  
 Adv. Calculus and Dif. Equations  
 (Math. 301-302)  
 Sophomore English (Eng. 211-212)  
 Economics or History  
 Electives  
 Physical Education 301-302

### *Sophomore Year*

Physics 301-302 or 303-304  
 General Chemistry (Chem. 101-102)  
 Diff. and Int. Calculus (Math.  
 201-202)  
 German or French  
 Physical Education 201-202

### *Senior Year*

Advanced Mechanics (Physics 405-  
 406)  
 Physical Chemistry (Chem. 311-312)  
 History or Economics  
 Electives

**Specialization for Professional Social Service***Freshman Year*

Freshman English (Eng. 101-102)  
Foreign Language  
Freshman Biology (Biol. 101-102)  
Life and Teachings of Jesus (Rel.  
101-102)  
Modern European History (Hist.  
101-102)  
Physical Education 101-102

*Junior Year*

The Gospel According to John (Rel.  
407)  
Social Teachings of Jesus (Rel. 306)  
Abnormal and Clin. Psychology  
(Ed. 203-204)  
Labor Problems (Econ. 306)  
History of the United States (Hist.  
201-202)  
Victorian Poetry (Eng. 325-326)  
History of Philosophy (Phil. 301-  
302)  
Physical Education 301-302

*Sophomore Year*

Sophomore English (Eng. 211-212)  
Foreign Language  
Principles of Economics (Econ. 201-  
202)  
General Psychology (Ed. 103-104)  
Introduction to the Fine Arts (Art  
201-202)  
Physical Education 201-202

*Senior Year*

Intro. to Study of the Bible (Rel.  
302)  
Religions of Mankind (Rel. 303)  
Social Psychology (Ed. 305-306)  
Phil. and Psych. of Religion (Rel.  
308)  
Capitalism and Its Critics (Econ.  
401-402)  
Ethics (Phil. 204)  
Shakespeare (Eng. 415-416)

## Courses of Instruction

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THE FOLLOWING PAGES list the courses offered by the various departments in the College of Liberal Arts. Not all the courses described were given in 1930-31; nor will all be given in 1931-32. A rather full array of courses is presented in order to show the opportunity for completing a major in each department. For the tabulation of courses and registration for 1930-31, see pages 120 ff.

Courses are numbered to indicate their place in the four-year program of studies. Courses numbered in the 100 group are designed for freshmen; those numbered in the 200 group, for sophomores; those numbered above 300, for juniors and seniors. As a rule odd numbers are used for courses offered in the first semester and even numbers for those offered in the second semester.

Seniors taking courses in the 100 group will receive one hour less credit than the credit announced for those courses.

Courses bearing double numbers (like 101-102) are year courses and must be continued throughout the year.

Unless otherwise stated, the number of recitations each week is the same as the number of hours credit.

A printed schedule giving complete information as to instructors, sections, days, hours, and rooms for the courses offered is issued during the latter part of the summer.

### Art

PROFESSOR HUTCHINS

Washington offers peculiarly rich opportunity for the intensive study of the fine arts at first hand in the large and constantly growing public and private art collections available. It is the intention of this department to take the fullest advantage of this opportunity.

Architecture, sculpture, and painting, and minor arts as well, are all treated in the courses here listed. It is a part of the definite program of the department to show these various manifestations of the art spirit in their

constant and essential relations. In all courses, illustrated lectures are varied with personal reports from students and with class-room discussion.

By special arrangement with the schools maintained by the Corcoran Gallery, students qualified to pursue to advantage courses of technical study, including drawing from the cast, the life classes, illustration and composition, modeling and portraiture, are permitted to register for a limited number of hours a week, a minimum of six being generally required in the elementary courses. The fee is fifteen dollars. It should be definitely understood that students availing themselves of the opportunity to benefit by the excellent equipment and instruction at the Corcoran School must show special aptitude and give evidence of previous training. No student will be permitted to take advantage of this arrangement who is not carrying satisfactorily a full academic program of college work. Work at the gallery, under regular instruction approved by the department will, however, be credited at one-half time. Accumulated credit may thus permit a student who wishes to do so to make art a major subject.

*Dramatics*.—Regular work in the practical performance and production of plays is offered as a part of the academic program, with full credit for those who satisfactorily complete the tasks assigned. Instruction will include training in voice, in diction, in posture, in movement and in dramatic expression, and in the technical problems of the practical stage, including the design and manipulation of scenery, lighting, and stage-management.

A number of short plays are given during the year, with one major production in the spring term, out of doors. The work in dramatics is closely correlated with the teaching of English and of the fine arts. Illustrated lectures on the history of the theatre are a special feature.

**REQUIREMENTS FOR A MAJOR.**—A major in art consists of twenty-six semester hours. Any course in the department may be counted toward a major.

Students majoring in art should select supporting hours in courses in English, history, and modern foreign language. A reading knowledge of French or German is highly desirable. Students who contemplate teaching in the fine arts should take courses in education.

**201-202. INTRODUCTION TO THE FINE ARTS.**—A general introductory course covering in outline the development of the arts in Egypt, Greece, Rome, and Western Europe down to our own time. The aim of the course is to orient the student in the general history of the arts, and special attention is given to the continuity of fundamentals. Reinach's *Apollo* is used as a basic text, but the student is required to do a large amount of reference work.

*Throughout the Year.*—3 hours credit each semester.

**205-206. PLAY ACTING.**—Rehearsal and production of selected plays.

*Throughout the Year.*—Credit according to work done.

- 211-212. PRACTICAL ART.**—To be taken at the Corcoran Gallery in conjunction with Art 201-202.  
*Throughout the Year.*—Credit according to work done.
- 301-302. MODERN EUROPEAN ART.**—A detailed survey of the development of the arts of design in Italy, Spain, France, the Low Countries, Germany, and England from the 17th century to the present time. Special emphasis is given to the emergence of the more modern expressions. Open only to those who have completed Art 201-202 or its equivalent.  
*Throughout the Year.*—2 hours credit each semester.
- 311-312. PRACTICAL ART.**—To be taken at the Corcoran Gallery in conjunction with Art 301-302. More advanced than Art 211-212.  
*Throughout the Year.*—Credit according to work done.
- 319-320. SURVEY OF THE DRAMA.**—A rapid reading course covering the general history of dramatic literature. Greek, Roman, Spanish, German, and French examples are read in translation, and the emergence and development of English drama in the Middle Ages and in the Renaissance is closely studied. The second semester is devoted to a study of the modern drama, with special attention to the writing of our own time. (Not to be offered in 1931-32.)  
*Throughout the Year.*—3 hours credit each semester.
- 401-402. AMERICAN ART.**—A detailed study of the rise and development of the fine arts in America, followed by a careful study of contemporary work. The aim is to give the student a first-hand critical knowledge of the art of his own country and of his own time. Personal reports on contemporary exhibitions will be a feature of the work. (Not to be offered in 1931-32.)  
*Throughout the Year.*—2 hours credit each semester.
- 411-412. PRACTICAL ART.**—To be given at the Corcoran Gallery in conjunction with Art 401-402. More advanced than Art 311-312. (Not to be offered in 1931-32.)  
*Throughout the Year.*—Credit according to work done.

## Astronomy

PROFESSOR SHENTON

- 201-202. GENERAL ASTRONOMY.**—An elementary course in descriptive astronomy, intended to convey a general knowledge of the heavenly bodies, with regard to their size, motions, mutual relations, composition, and evolution. No mathematics beyond an elementary knowledge of the trigonometric functions will be required. The Department is equipped with a small portable telescope and transit for direct observation of the stars, moon, planets and nebulae. The work will be supplemented by

several visits to neighboring good observatories. (Not to be offered in 1931-32.)

*Throughout the Year.*—2 hours credit each semester.

## Biology

ASSISTANT PROFESSOR VARRELMAN, MISS STIFFLER, MISS COTTON, AND ASSISTANTS

In addition to giving general biological information about types of animals and plants and their anatomy and physiology, this department aims to train students in objective thought by objective study and experimentation. Visualization in three dimensions is part of the work.

Students in psychology and education will find comparative anatomy valuable for their work. Premedical students will find botany valuable for later work in pharmacology, and comparative anatomy of vertebrates nearly essential for the best comprehension of human anatomy and organology. Pre-engineering students will find cryptogamic botany and protozoölogy essential for work in sanitary engineering and invertebrate zoölogy and cryptogamic botany extremely valuable for marine engineering. Construction engineers will profit by having a knowledge of entomology. Nursing students should take courses in bacteriology and physiology, and those expecting to become laboratory technicians should take in addition to these two courses, work in biological technique. Social service students would profit by a knowledge of bacteriology, physiology and hygiene, and social biology.

Prospective teachers of biology should study as much college chemistry as is possible, and at least one course in physics. Those expecting to do research should in addition acquire an elementary knowledge of the calculus, and a reading knowledge of both French and German.

**REQUIREMENTS FOR A MAJOR.**—A major in biology consists of twenty-six semester hours taken in courses in the department, including Biology 411, Biological Round Table, and in addition one year of college credit in chemistry unless one unit in high school chemistry was offered for admission.

All students majoring in biology are encouraged to spend at least one summer at a biological station. From four to eight hours credit may be obtained by taking such summer courses. These may be counted toward the major requirements.

Students who have had two years or more of high school biology should consult the chairman of this department before registering for further work in biology.

**101-102. GENERAL BIOLOGY.**—An introduction to the principles of biology including the properties of living matter, cell structure, development, reproduction, heredity, and evolution, and a study of the more important

types of plants and animals. The first semester is devoted particularly to zoölogy and is called Ecology of Animals; the second semester particularly to botany and is called Ecology of Plants. Either may precede the other. Three hours class and five hours laboratory work each week. Fee \$10 each semester and breakage.

*Throughout the Year.*—5 hours credit each semester.

201. PLANT ANATOMY.—Study of the structure of the tissues, organs, and systems of plants, including embryology and development. One lecture and five hours laboratory. Prerequisite, Biology 102. (Not to be offered in 1931-32.)

*First Semester.*—3 hours credit.

202. PLANT PHYSIOLOGY.—Study of the function of the tissues, organs, and systems of plants, including the physiology of growth reproduction and tropisms. One lecture and five hours laboratory. Prerequisite, Biology 102. (Not to be offered in 1931-32.)

*Second Semester.*—3 hours credit.

203. INVERTEBRATE ZOÖLOGY.—Morphology and physiology of invertebrates. One lecture and four hours laboratory. Prerequisite, Biology 101. Fee, \$10 and breakage.

*First Semester.*—3 hours credit.

204. VERTEBRATE ZOÖLOGY.—Comparative anatomy of vertebrates. One lecture and four hours laboratory. Prerequisite, Biology 101. Fee, \$10 and breakage.

*Second Semester.*—3 hours credit.

208. BOTANY OF ORNAMENTAL PLANTS.—Greenhouse work in growing plants for indoor and outdoor decoration. Ecological relationships—soil texture, fertility, and hydrogen ion concentration, soil and atmospheric water, and light—and the physiology of propagation form the essential part of the course. Field trips to commercial growers are required. One lecture and five hours laboratory. Fee, \$10 and breakage. No prerequisite. (Not to be offered in 1931-32.)

*Second Semester.*—3 hours credit.

210. ELEMENTARY ANATOMY, PHYSIOLOGY, AND HYGIENE.—Structure and function of organs of vertebrates with special reference to the human body. Preventive medicine and hygiene, personal and social, form a large part of the course. No prerequisite necessary. Three hours class and two hours laboratory. This course will meet the Hygiene requirements, in a number of states, for teachers' certificates. Consult the chairman of the department for specific information. Fee, \$10 and breakage.

*Second Semester.*—4 hours credit.

301. **GENERAL ENTOMOLOGY.**—A study of the morphology, physiology, and classification of insects. One lecture and four hours laboratory. Prerequisite, Biology 203. Fee, \$10 and breakage.  
*First Semester.*—3 hours credit.
302. **ECONOMIC ENTOMOLOGY.**—Further study in the classification of insects, but particular attention is given to those of economic importance to man. Methods of control are reviewed, and practical illustrations are obtained in trips to the Government Farms, and plant quarantine, and plant introduction stations. Prerequisite, Biology 301. Fee, \$10 and breakage.  
*Second Semester.*—3-5 hours credit.
- 305-306. **BIOLOGICAL TECHNIQUE.**—Preparation of materials for staining, sectioning, use of microtome, staining of tissues, making of permanent microscopic mounts, making of lantern slides, micro-photography, and photography of specimens and preparations, preparing materials for laboratory study including collecting, fixing, and injecting. Fee, \$10 a semester. Prerequisite, 14 hours credit in biology. (Not to be offered in 1931-32.)  
*Either or Both Semesters.*—Credit to be arranged.
309. **BACTERIOLOGY.**—An elementary study of the physiology of bacteria, with culture methods, and identification of the more common forms. Prerequisite, one year of high school or college chemistry. Fee, \$10 and breakage. (Not to be offered in 1931-32.)  
*First Semester.*—4 hours credit.
312. **SOCIAL BIOLOGY.**—A series of illustrated lectures and demonstrations dealing with anthropological, anatomical, physiological, embryological, and hygienic facts of biology which are necessary for understanding many human social relations involved in social hygiene in its widest sense. The essential facts and principles of heredity and eugenics will be outlined. Several lectures of the course will be devoted to a survey of social hygiene and sex-education. No laboratory work. No prerequisites. Open only to juniors and seniors.  
*Second Semester.*—2 hours credit.
401. **BIOLOGY OF MICROORGANISMS.**—A survey of microscopic plants and animals, and technique of culture and preparation. A study of water supplies will be paramount. For premedical students and precivil or presanitary engineers. One lecture and four hours laboratory. Prerequisite, Biology 201 or 203. Fee, \$10 and breakage.  
*First Semester.*—3 hours credit.
410. **SPECIAL PROBLEMS.**—Work to fit the needs of the student qualified to advance study. Supervision with a view of training for research.  
*Either or Both Semesters.*—Laboratory fee, credit, and hours to be arranged.

**411-412 ROUND TABLE.**—A discussion course designed to survey and correlate the various fields of botany (cryptogamic, phanerogamic, and systematic), zoölogy (invertebrate, including protozoölogy and entomology, and vertebrate), physiology, and genetics. Students will be required to present reports and outlines covering present-day biological publications. Examination of textbooks, for high school adoption, and selecting and ordering equipment and supplies are also a part of this course. Required of all students majoring in biology.

*Throughout the Year.*—2 hours credit each semester.

## Chemistry

ASSOCIATE PROFESSOR HOLTON, DR. ENGEL, AND ASSISTANTS.

The purpose of the several courses of study in the Department of Chemistry is twofold: (1) to equip the student with a working knowledge of the basic principles of the science; and (2) to acquaint the student with the very important useful rôle that the science of chemistry plays in our everyday life.

Students preparing to study in the fields of medicine and allied subjects may take course 101-102 and then course 301-302, if they are planning to enter medical school with two years of preliminary work. Medical schools, however, give preference to students who have had three or more years of college work; for this reason it is desirable to take courses 101-102, 201-202, and 301-302 in sequence.

**REQUIREMENTS FOR A MAJOR.**—A major in chemistry consists of thirty-one semester hours, including course 101-102, course 201-202, course 301-302 or 311-312, and one of the 400 courses.

Students who plan to elect the course in physical chemistry in their third year should have a thorough background of mathematical training, including differential and integral calculus, and should also have completed the basic course in general physics.

**101-102. GENERAL CHEMISTRY.**—Lectures and recitations on fundamental principles of inorganic and theoretical chemistry. Laboratory work to study the properties, reactions, and compounds of the common non-metallic and metallic elements. Two hours of lecture, one hour of discussion and six hours of laboratory each week. The last part of the second semester is devoted to an introductory study of the qualitative analysis of the common metallic elements. Fee, \$10 each semester.

*Throughout the Year.*—5 hours credit each semester.

**201-202. ANALYTICAL CHEMISTRY.**—The first part of the first semester is devoted to the completion of the identification of the common elements and acid radicals, accompanied by discussion of the principles upon which the preparations are based. The balance of the year is used for

the study of the principles of quantitative analysis, accompanied by the determination of a few of the more common elements by the standard methods of gravimetric and volumetric analysis. Three hours of discussion and nine hours of laboratory work each week. Prerequisite, Chemistry 101-102. Fee, \$10 each semester.

*Throughout the Year.*—5 hours credit each semester.

301-302. ORGANIC CHEMISTRY.—A study of the typical reactions of the compounds of carbon, and practice in their synthesis in the laboratory. Two hours of lecture and discussion, and six hours of laboratory work each week. Prerequisite, Chemistry 201-202, except for students taking a premedical course, who need to present only Chemistry 101-102. Fee, \$10 each semester.

*Throughout the Year.*—4 hours credit each semester.

311-312. PHYSICAL CHEMISTRY.—Lectures, problems, and laboratory work covering the theories and principles of chemistry. Three hours of lecture and discussion with three hours of laboratory work each week. Prerequisite, Chemistry 201-202. Fee, \$10 each semester.

*Throughout the Year.*—4 hours credit each semester.

401. QUALITATIVE ORGANIC ANALYSIS.—The separation and identification of pure organic compounds and mixtures. One hour of lecture and five hours of laboratory work each week. Prerequisite, Chemistry 301-302. Fee, \$10.

*First Semester.*—3 hours credit.

411. THERMODYNAMICS.—A course covering the theory of thermodynamics and its application to chemical processes. Three hours of lecture and discussion each week. Prerequisite, Chemistry 311-312 and Mathematics 201-202. (Not to be offered in 1931-32.)

*First Semester.*—3 hours credit.

412. ATOMIC STRUCTURE AND VALENCE.—A course covering the modern theories of atomic structure and their relation to valence. Three hours of lecture and discussion each week. Prerequisite, Chemistry 311-312 and Mathematics 201-202. (Not to be offered in 1931-32.)

*Second Semester.*—3 hours credit.

## Classical Languages and Literature

ASSISTANT PROFESSOR ZUCKER

The aim of the Department of Classics is to give to students majoring in Greek and Latin a sufficient reading ability and knowledge of literary history, with some background of ancient civilization, to enable them to explore for themselves and to enjoy in the original the fields of Greek and Roman literature.

For students intending to enter law or medicine, special emphasis will be placed on legal and scientific terminology. For students specializing in English or modern languages word-derivation and literary influence will be stressed.

Those desiring courses in general culture should enroll in Greek 313-314 or Latin 315-316, in which knowledge of the languages is not required.

Students preparing to teach Greek or Latin after graduation should include in their program courses in education, psychology, and ancient history. An accompanying minor in one of the above-named subjects or in modern language is recommended.

REQUIREMENTS FOR A MAJOR.—A major in classical languages consists of twenty-four hours. Any course in Greek or Latin, except Greek 313-314 and Latin 315-316, may be counted toward a major. Courses in elementary Latin are not offered.

### GREEK

101-102. BEGINNING GREEK.—Elements of the language. Reading in the second semester.

*Throughout the Year.*—4 hours credit each semester.

203-204. EPIC POETRY.—Study of epic forms and their significance in the history of the language. Reading of passages from the *Iliad*, the *Odyssey*, and the *Homeric Hymns*. Prerequisite, one year of Greek. (Not to be offered in 1931-32.)

*Throughout the Year.*—3 hours credit each semester.

205. HISTORY OF GREEK CIVILIZATION.—A study of the origins and the nature of Greek culture and civilization. Readings, in translation, from contemporaneous historians and from standard works dealing with the life and achievements of the Greeks.

*First Semester.*—3 hours credit.

301-302. ADVANCED GREEK PROSE.—Reading of the *Acts of the Apostles* the first semester, and of selections from Plato's *Dialogues* the second, with a discussion of the relation between early Christian and neo-Platonic philosophy. Collateral reading. Prerequisite, two years of Greek or an acceptable reading knowledge. (Not to be offered in 1931-32.)

*Throughout the Year.*—3 hours credit each semester.

313-314. GREEK LITERATURE IN ENGLISH.—A study of the forms of Greek literature, together with a consideration of the lives of the great Greek men of letters. Readings, in standard translations, of Greek literature from Homer to Theocritus. A knowledge of the Greek language is not necessary.

*Throughout the Year.*—3 hours credit each semester.

401. GREEK TRAGEDY.—Reading of one play of each of the three great Greek dramatists: Aeschylus, Sophocles, and Euripides. Collateral reading in English. Prerequisite, three years of Greek.  
*First Semester.*—3 hours credit.
402. GREEK COMEDY.—Reading from Aristophanes and Menander. Discussion of the Old, Middle, and New Comedy. Collateral reading in English. Prerequisite, three years of Greek.  
*First Semester.*—3 hours credit.

## LATIN

- 101-102. VIRGIL'S AENEID, ECLOGUES, AND GEORGICS.—Reading of selected passages. Prerequisite, two years of high school Latin. (Not to be offered in 1931-32.)  
*Throughout the Year.*—3 hours credit each semester.
- 201-202. ROMAN HISTORIANS.—Reading from Livy, Tacitus, or Suetonius, with collateral reading in English. Prerequisite, three years of high school Latin or one year of college Latin. (Not to be offered in 1931-32.)  
*Throughout the Year.*—3 hours credit each semester.
206. HISTORY OF ROMAN CIVILIZATION.—A study of the economic, social, political, and military history of the Roman world, with especial consideration of the Roman foundation of European civilization.  
*Second Semester.*—3 hours credit.
301. CICERO.—Readings from the literary essays—*De Senectute*, *De Amicitia*, *De Officiis*, etc. Prerequisite, three years of high school Latin or one year of college Latin. (Not to be offered in 1931-32.)  
*First Semester.*—3 hours credit.
302. HORACE.—Selected odes, epodes, and satires. Prerequisite, three years of high school Latin or one year of college Latin. (Not to be offered in 1931-32.)  
*Second Semester.*—3 hours credit.
- 303-304. ROMAN COMEDY.—Reading of Plautus the first semester and of Terence the second. Study of early Latin prosody. Lectures on the development of comedy and the relation of Roman comedy to modern literature. Prerequisite, two years of college Latin or the consent of the instructor.  
*Throughout the Year.*—3 hours credit each semester.
- 315-316. LATIN LITERATURE IN TRANSLATION.—A study of the forms of Latin literature, of its relations with the Greek on one hand and the English on the other, and of the lives of the great Roman men of letters. Readings in translation of Latin literature to the close of the Empire.

A knowledge of the Latin language is not necessary. (Not to be offered in 1931-32.)

*Throughout the Year.*—3 hours credit each semester.

401-402. ROMAN POETRY IN THE GOLDEN AGE.—Reading of the works of Lucretius, Virgil, Catullus, Horace, Ovid, Propertius, and Tibullus. Study of the principles of Latin prosody. Collateral reading. Prerequisite, three years of college Latin. (Not to be offered in 1931-32.)  
*Throughout the Year.*—3 hours credit each semester.

403-404. LATIN COMPOSITION.—Review of the principles of grammar, with illustrative exercises based mainly on Caesar and Cicero. Especially for those expecting to teach Latin in the secondary schools. Prerequisite, one year of college Latin. (Not to be offered in 1931-32.)  
*Throughout the Year.*—2 hours credit each semester.

## Economics and Business Administration

PROFESSOR KINSMAN AND ASSISTANT PROFESSOR HUELSTER.<sup>1</sup>

It is the purpose of the Department of Economics to acquaint the student with the principles governing the general field of business. The advanced subjects are presented with a practical emphasis in order to make them most helpful especially to students wishing to pursue a business career. Courses in economics will be found of special value to those preparing to enter law, the Christian ministry, social work, or the service of the government.

Washington offers unusual opportunities for observation and study in economics. Visits are made to places of interest, and valuable materials are employed in the presentation of different subjects.

REQUIREMENTS FOR A MAJOR.—A major in economics consists of thirty semester hours including courses 201-202, 303-304, 305, and 404. The Principles of Economics (course 201-202), being a prerequisite generally for other courses, should be taken in the sophomore year.

Students majoring in economics are advised to elect courses in political science and history.

101-102. OUR ECONOMIC WORLD.—An introductory course designed to acquaint the student with the world's economic resources, the methods of their extraction, the processes of manufacture, the means of transportation, and the functions of markets. Special attention is given to the United States.

*Throughout the Year.*—3 hours credit each semester.

201-202. PRINCIPLES OF ECONOMICS.—The course is designed to familiarize the student with the terminology and the working principles of eco-

<sup>1</sup> Beginning September, 1931.

nomics. A study is made of human wants and of the production, exchange, distribution, and consumption of wealth essential to their satisfaction. The relations of government to industry are also examined. *Throughout the Year.*—3 hours credit each semester.

301. CORPORATIONS, TRUSTS AND MONOPOLIES.—Following a study of the primary business units, an examination is made of the economic causes giving rise to "big business." The nature and function of corporations, pools, trusts, mergers, and monopolies receive attention, and the effectiveness of state and federal anti-trust legislation is studied. Prerequisite, Economics 201-202. (Not to be offered in 1931-32.) *First Semester.*—3 hours credit.

302. TRANSPORTATION.—A study is made of the development of modern means of transportation and the practical economic aspects of modern land, water, and air transportation. Special attention is given to railway management and rate making, and to the work of the Interstate Commerce Commission. Prerequisite, Economics 201-202. (Alternates with Corporations, Trusts and Monopolies.) *First Semester.*—3 hours credit.

- 303-304. MONEY AND BANKING.—The characteristics and functions of money and credit are investigated; the organization, management, and activities of banks are examined; and the banking systems of the United States and leading foreign countries are studied. Prerequisite, Economics 201-202. *Throughout the Year.*—3 hours credit each semester.

305. LABOR PROBLEMS.—A study is made of the conditions giving rise to the issue between labor and capital; of the organization, the aims, and the methods of labor unions and of employers' associations; of mediation, conciliation, and arbitration; of profit sharing, coöperation, and other peaceful solutions proposed for the labor problem. Prerequisite, Economics 201-202. *Second Semester.*—3 hours credit.

- 351-352. PRINCIPLES OF ACCOUNTING.—A general course in the principles and practices of accountancy as applied to ordinary business concerns. *Throughout the Year.*—3 hours credit each semester.

355. BUSINESS LAW.—A detailed study is made of the fundamental, rather than the technical, principles of those legal subjects of which some knowledge is necessary in order to carry on intelligently the ordinary business transactions, including contracts, agencies, negotiable instruments, sales, and the like. *Second Semester.*—3 hours credit.

401. **CAPITALISM AND ITS CRITICS.**—A critical examination is made of the rise of modern capitalism, its characteristics, its strength, and its weakness as an economic system. The reforms proposed for the correction of its evils—land nationalization, socialism, bolshevism, and the like—are investigated. Prerequisite, Economics 201-202. (Not to be offered in 1931-32.)  
*First Semester.*—3 hours credit.
404. **PUBLIC FINANCE AND TAXATION.**—A critical study is made of the growth and character of government expenditures; of the budget system, and of government income, special attention being given to the theory and practice of taxation as employed by modern governments, particularly the United States. Prerequisite, Economics, 201-202.  
*Second Semester.*—3 hours credit.
403. **SPENDING AND INVESTMENTS.**—A course for those who wish to make a right use of money. The principles of judicious expenditure, the types of investments, and the relative merit of each, the elements determining a wise investment, and the methods of handling private funds are studied. Prerequisite, Economics 201-202. (Alternates with Capitalism and Its Critics.)  
*First Semester.*—3 hours credit.
405. **BUSINESS ORGANIZATION.**—A study of the principles of business organization and management. Attention is given to internal problems of business enterprise, such as personnel, finance, production, and marketing, as well as to the broader question of its relationship to society. This course and Economics 406 and 408 are coördinated in such a way as to present a well-rounded line of study for the advanced student planning a business career. Prerequisite, Economics 201-202.  
*First Semester.*—3 hours credit.
406. **MARKETING.**—This course studies the market structure as a whole and analyzes marketing problems and the devices used in solving them. Advertising, salesmanship, and the physical distribution of goods are among the subjects treated. Considerable attention is given to chain stores, mail-order houses, coöperative marketing associations, and other selling institutions, from the point of view of the consumer as well as that of the business man. Prerequisite, Economics, 405. (Not to be offered in 1931-32.)  
*Second Semester.*—3 hours credit.
407. **INTERNATIONAL TRADE.**—This course includes a study of the causes and consequences of domestic and foreign trade, the national trade theories, and tariff policies, commercial crises, and related questions. Prerequisite, Economics 201-202. (Not to be offered in 1931-32.)  
*First Semester.*—3 hours credit.

408. **BUSINESS FINANCE.**—A study of the principles and practices of financing business concerns with special reference to corporations. The subjects investigated include promotion, capitalization, and the sale of stocks and bonds, working capital, holding companies, reorganization, and the relation of the government to private financial operation. Prerequisite, Economics 405. (Alternates with Marketing.)  
*Second Semester.*—3 hours credit.

### Education and Psychology

PROFESSOR BENTLEY, ASSOCIATE PROFESSOR FERGUSON, MISS WULF,  
MR. RICE, AND MR. MACVAUGH

The aim of this department is to present a broad cultural basis in education and psychology leading students into vocational and professional interests. Students looking toward teaching as a profession should select in their junior year courses 301 and 302; those with business interests, course 303-304; those intending medical careers and those preparing for theological school, course 203-204.

Students who expect to teach in high school should become familiar with the specific requirements of the state in which they expect to teach. The department has on file a detailed statement of the various requirements.

**REQUIREMENTS FOR A MAJOR.**—A major in education and psychology consists of twenty-six hours. At least fourteen hours must be selected from junior and senior courses numbered above 300.

Course 103-104 is prerequisite to all subsequent courses in the department.

Students majoring in education and psychology should select supporting hours from courses in biology, chemistry, English, history, and mathematics.

- 103-104. **GENERAL PSYCHOLOGY.**—This course is open to freshmen whose admission credentials show superior achievement. It consists of a thorough orientation in the field of general psychology by lectures, demonstrations, and partial laboratory technique. Its subject matter consists of an outline of the psychological mechanism; human endowment (conditioned and unconditioned responses, affection, capacities and intelligence); sense-activity; sense-perception, reaction and consciousness; thinking and reasoning.

*Throughout the Year.*—3 hours credit each semester.

- 201-202. **INTRODUCTORY EXPERIMENTAL HUMAN PSYCHOLOGY.**—A systematic training in the use of psychological laboratory methods as applied to the sense fields. This course consists of the psychology of vision, audition, olfaction, gustation and related sense processes with a limited amount of experimentation in perception, attention, memory, and the feelings. Four hours of laboratory each week and one hour lecture. Prerequisite, Education 103-104.

*Throughout the Year.*—3 hours credit each semester.

- 203-204. **SOCIAL PSYCHOLOGY.**—A presentation of the organic bases of conduct and the higher mental processes in human reaction; social interactions in group conduct; the integration of the individual and society; pathologies in group behavior. Prerequisite, Education 103-104.  
*Throughout the Year.*—3 hours credit each semester.
301. **EDUCATIONAL PSYCHOLOGY.**—A partial laboratory presentation of the science of educational psychology as applied to the learning process in elementary, secondary, and collegiate education. This course considers the inheritance of mental traits, individual differences, variations in human capacity and response, measurement of intelligence, rate and progress in learning, etc. Prerequisite, Education 103-104.  
*First Semester.*—3 hours credit.
302. **PRINCIPLES OF EDUCATION.**—This course consists of the presentation of the aims, values, and essentials in education from the standpoint of the biological and social sciences. Prerequisite, Education 301.  
*Second Semester.*—3 hours credit.
- 303-304. **EMPLOYMENT, BUSINESS, AND VOCATIONAL PSYCHOLOGY.**—An examination of the principles of psychology applied to employment in general, to salesmanship, advertising and marketing, with a consideration of psychological and trade tests in occupational selection and fitness. Prerequisite, Education 103-104. (Not to be offered in 1931-32.)  
*Throughout the Year.*—3 hours credit each semester.
- 305-306. **ABNORMAL AND CLINICAL PSYCHOLOGY.**—This course deals with subconscious phenomena and their meaning: dreams, hypnosis, automatisms, multiple personality, hysteria, neuroses, psychoses, psychoanalysis and psychotherapy applied to abnormal behavior. Prerequisite, Education 103-104.  
*Throughout the Year.*—3 hours credit each semester.
- 307-308. **ADVANCED EXPERIMENTAL PSYCHOLOGY.**—This course is open to not more than ten students who have completed the introductory experimental psychology course. It will consist in advanced experimentation in sensory measurements with the aid of standard psychological apparatus. Prerequisite, Education 201-202. (Not to be offered in 1931-32.)  
*Throughout the Year.*—3 hours credit each semester.
310. **MENTAL HYGIENE.**—A consideration of the general and personal aspects of physical and mental hygiene for childhood and youth. Prerequisite, Education 301 or 302. (Not to be offered in 1931-32.)  
*Second Semester.*—3 hours credit.
402. **SCHOOL HYGIENE AND THE PHYSICAL INSPECTION OF SCHOOL CHILDREN.**  
—An application of the principles of hygiene with special reference to

training in the physical inspection of school children. Prerequisite, Education 301 or 302 or 310.

*Second Semester.*—2 hours credit.

403. HISTORY OF EDUCATION.—A review of the history of educational theory from the early Greek, Jewish, and Roman backgrounds. A consideration of the mediaeval systems, the rise of the universities, the Renaissance, humanism, scholasticism, and realism in their relation to modern education. Prerequisite, Education 301 or 302. (Not to be offered in 1931-32.)

*First Semester.*—3 hours credit.

404. HISTORY OF EDUCATION IN THE UNITED STATES.—A study of the beginnings of American education and the development of national and state attitudes, the free state schools and the organization of historic elementary and secondary education. Prerequisite, Education 301 or 302.
- Second Semester.*—3 hours credit.

405. PRINCIPLES AND METHODS OF TEACHING.—A survey of the psychological principles of teaching applied to secondary education. The purpose of this course is to acquaint prospective high school teachers with the varied tools of instruction, problem and project teaching, adjustment of instruction to individual needs, and socialized class procedure. Prerequisite, Education 301 or 302.

*First Semester.*—3 hours credit.

407. THE AMERICAN SECONDARY SCHOOL.—An application of psychology to the problems of adolescent life with special reference to subjects taught in high school. The course is especially designed for prospective high school teachers. Prerequisite, Education 301 or 302.

*First Semester.*—3 hours credit.

408. JUNIOR AND SENIOR HIGH SCHOOL ADMINISTRATION.—A treatment of the problems in secondary school organization and administration with special reference to Junior and Senior high school curricula. Prerequisite, Education 301 or 302.

*Second Semester.*—3 hours credit.

409. STATISTICAL METHODS APPLIED TO EDUCATION.—This course consists of training in the use of statistical method in education, the collection of educational facts, and the tabulation of data. Statistical classification is presented in terms of (a) frequency distribution, (b) the method of averages, (c) the measurement of variability—the normal frequency curve, measurement of relation (correlation), and a study of tabular and graphic methods in reporting school facts. Prerequisite, Education 301 and Mathematics 305. (Not to be offered in 1931-32.)

*First Semester.*—3 hours credit.

410. EDUCATIONAL TESTS AND MEASUREMENTS.—A brief survey of the testing movement and its influence on educational progress; a study of the most commonly used standardized tests and scales for elementary and secondary education; interpretation and application of results applied to a program of grading, promotion, and efficiency in pupils. Prerequisite, Education 301.

*Second Semester.*—3 hours credit.

411. INDIVIDUAL MENTAL TESTS.—Lectures, reports, and individual testing. Practice on the technique of the Binet-Simon scale for measuring intelligence. Brief historical and descriptive treatment of the Binet scale, followed by training in practical Binet testing. Prerequisite, Education 301.

*First Semester.*—3 hours credit.

413-414. OBSERVATION AND PRACTICE TEACHING.—The purpose of this course is to acquaint students with school-room practices through observing experienced teachers in the local high schools and through actual teaching experience. In addition to the observation and teaching, there is one hour of conference weekly. Prerequisite, Education 301 and 405.

*Throughout the Year.*—Credit according to work done.

451-452. ADVANCED PSYCHOLOGICAL PROBLEMS.—Laboratory, special problems. Open to advanced students only. Prerequisite, Education 103-104, 201-202, 307-308. (Not to be offered in 1931-32.)

*Throughout the Year.*—Credit according to work done.

454. CLINICAL MENTAL TESTS.—Advanced study and application of the Binet and other standardized diagnostic mental tests, including the Porteus, form-boards, and other non-verbal tests. Prerequisite, Education 301, 410, and 411. (Not to be offered in 1931-32.)

*Second Semester.*—Credit according to work done.

## English

PROFESSOR WOODS, PROFESSOR HUTCHINS, ASSOCIATE PROFESSOR BROWN,  
ASSOCIATE PROFESSOR GOLDER, MR. CORBIN, ASSISTANT PROFESSOR ZUCKER,  
AND MR. McADAM

The use of good English commands respect in all walks of life, and an understanding of the great masterpieces of English literature is regarded as a distinguishing mark of education. The study of English is highly important, not only for those to whom it will be of professional advantage in later years—authors, journalists, teachers, ministers, lawyers, secretaries, and men and women in public life—but also for those who are interested, from motives of personal culture, in becoming acquainted with the best that has been said and thought in the world, and in developing the power to express

their own ideas. The courses in the department are offered with this double objective.

**REQUIREMENTS FOR A MAJOR.**—A major in English consists of twenty-four semester hours in addition to English 101-102 and English 211-212. Students majoring in English must complete also at least twelve supporting hours selected from the following courses: Art 201-202, French 301-302, German 301-302, Greek 203-204, History 203-204, Latin 101-102, Philosophy 301-302, Spanish 301-302, 303-304, and Speech 205-206, 305-306.

**101-102. FRESHMAN ENGLISH.**—Training in effective writing will be given in connection with a study of English literature, its social and historical backgrounds, its principles and ideas. Required of all freshmen, except those excused on the basis of the examination given at the opening of the year.

*Throughout the Year.*—3 hours credit each semester.

**101A. SUPPLEMENTARY DRILL IN ENGLISH.**—Required of all entering students who fail to pass the examination in the fundamentals of English given at the opening of the year. Training will be given in grammar and in the elementary principles of correctness in the use of English. Students who fail to pass this course are marked incomplete in English. *Throughout the Year.*—1 hour a week; no credit.

**211-212. SOPHOMORE ENGLISH.**—In this course the student is introduced to the various literary types—short story, novel, drama, lyric, and essay—through representative masterpieces. The course also offers an opportunity for abundant critical and creative writing under helpful supervision. Required of all sophomores, and of those freshmen who pass the comprehensive examination given at the opening of the year.

*Throughout the Year.*—3 hours credit each semester.

**301-302. ADVANCED WRITING.**—A seminar course open only on the consent of the instructor to students who have shown proficiency in writing. *Throughout the Year.*—2 hours credit each semester.

**311. MYTH AND ROMANCE.**—A study of the principal classic myths and of the Arthurian cycle of romance in their relations with English literature from Spenser to the present time.

*First Semester.*—3 hours credit.

**313-314. GREEK LITERATURE IN ENGLISH.**—A study of the forms of Greek literature, together with a consideration of the lives of the great Greek men of letters. Readings, in standard translations, of Greek literature from Homer to Theocritus. A knowledge of the Greek language is not needed.

*Throughout the Year.*—3 hours credit each semester.

315-316. LATIN LITERATURE IN TRANSLATION.—A study of the forms of Latin literature, of its relations with the Greek on one hand and the English on the other, and of the lives of the great Roman men of letters. Readings in translation of Latin literature to the close of the Empire. A knowledge of the Latin language is not necessary. (Not to be offered in 1931-32.)

*Throughout the Year.*—3 hours credit each semester.

317-318. BACKGROUNDS OF THE ENGLISH RENAISSANCE.—This course is intended to provide a general survey of life, thought, and literature from the beginning of the 14th to the middle of the 16th century in Italy, France, and Germany. Readings, in translation, of the major work of Dante will be followed by a consideration of Petrarch, Boccaccio, the humanists, Ariosto, Tasso, Machiavelli, the poets of the Pleiade, Montaigne, Rabelais, and Erasmus and his contemporaries.

*Throughout the Year.*—3 hours credit each semester.

319-320. SURVEY OF THE DRAMA.—A rapid reading course covering the general history of dramatic literature. Greek, Roman, Spanish, German, and French examples will be read in translation, and the emergence and development of English drama in the Middle Ages and in the Renaissance will be closely studied. The second semester is devoted to a study of the modern drama, with special attention to the writing of our own time. (Not to be offered in 1931-32.)

*Throughout the Year.*—3 hours credit each semester.

321-322. THE NOVEL.—A critical study of the English novel from Defoe to Galsworthy, preceded by a historical view of earlier fiction. To cultivate an intelligent appreciation of the novel in its various types, and an understanding of the great novelists, is the aim of the course. (Not to be offered in 1931-32.)

*Throughout the Year.*—3 hours credit each semester.

323-324. THE ROMANTIC PERIOD.—An introductory study of classicism, followed by intensive reading of representative writers—Burns, Blake, Wordsworth, Coleridge, Scott, Byron, Shelley, Keats, Lamb, Hazlitt, and De Quincey (Not to be offered in 1931-32.)

*Throughout the Year.*—3 hours credit each semester.

325-326. VICTORIAN POETRY.—A study of the poetry of the Victorian period, with special attention to Tennyson, Browning, Arnold, Rossetti, and Swinburne.

*Throughout the Year.*—3 hours credit each semester.

327-328. VICTORIAN PROSE.—A study of the thought of the nineteenth century as reflected principally in the writings of Carlyle, Ruskin, Newman, Arnold, Pater, and others. (Not to be offered in 1931-32.)

*Throughout the Year.*—3 hours credit each semester.

- 333-334. AMERICAN LITERATURE.—A study of the formative influences in the development of the literature of America from the colonial period to the present time. The literature is considered in its relation to underlying social and economic conditions, and to the literature of England. *Throughout the Year.*—3 hours credit each semester.
411. CHAUCER.—A study of Chaucer's writings, his life and times, and a review of the medieval literature with which his poems and tales are connected. (Not to be offered in 1931-32.)  
*First Semester.*—3 hours credit.
412. SPENSER AND MILTON.—A study of the works of Spenser and Milton, their literary backgrounds and relations with life and thought in their times.  
*Second Semester.*—3 hours credit.
- 413-414. SHAKESPEARE.—An intensive study of six of Shakespeare's plays: *Hamlet, Macbeth, Henry IV (Part 1), Twelfth Night, Othello, and The Winter's Tale.* Collateral reading and reports.  
*Throughout the Year.*—3 hours credit each semester.
415. THE AGE OF POPE.—The spirit of the Augustan Age will be studied through its literature, its great men, its social life, and its ideas and opinions. The essays and satires of Pope, Addison, and Swift will be principally considered. (Not to be offered in 1931-32.)  
*First Semester.*—3 hours credit.
416. DR. JOHNSON AND HIS CIRCLE.—The central text will be Boswell's *Life of Johnson*. The readings will be considerably supplemented, however, by such contemporary works as afford glimpses into the social, intellectual, and artistic interests of the time. (Not to be offered in 1931-32.)  
*Second Semester.*—3 hours credit.
- 427-428. THE PRINCIPLES AND METHODS OF LITERATURE.—A survey of important critical ideas, ancient and modern, together with an application of these ideas to literature of various types and ages. Reading both of criticism and of illustrative literature, class discussions, and the writing of essays on critical topics constitute the student's share in the course.  
*Throughout the Year.*—3 hours credit each semester.

### French

ASSISTANT PROFESSOR GALT, ASSISTANT PROFESSOR ZUCKER, AND  
MADEMOISELLE DELONGLÉE

The aim of the department is threefold: (1) to give the student a practical knowledge of written and spoken French for future use in business and social life and in graduate research; (2) to introduce him to the rich treas-

ury of French literature; and (3) to broaden his mental horizon by contact with the best minds of a civilization different from our own.

REQUIREMENTS FOR A MAJOR.—A major in Romance Languages must include French 301, 302, 303, and sixteen additional hours in French and Spanish above 101-102 courses.

A major in French must include among the courses offered courses 301, 302, 303, 307, 401, 402, 403, 404. Every student majoring in French is strongly advised to take also Greek 313, at least one course in college Latin, and History 101-102. Students beginning French in college who desire a major in that subject must consult the head of the department concerning their choice of courses. Those planning to teach French must take French 405-406.

Correlated minors suggested for students majoring in French are as follows: Spanish, Classical Languages, Art, Education and Psychology, Philosophy, and English.

Students majoring in Economics will be interested in French 303; those majoring in Political Science in French 401. Both French 303 and French 401 will be helpful to students planning to enter the consular and diplomatic service.

A French Club, a "French table" in the dormitory dining-room, and attendance at French religious services held in Washington will give the student opportunity to use French outside the classroom. By the kind permission of the French pastor, the Rev. Dr. Florian Vurpillot, students may join the French choir in the city.

101-102. BEGINNING FRENCH.—Drill in pronunciation, conversation, songs, and grammar, and rapid reading. An elementary course open to students who have not offered French for entrance; no prerequisites.

*Throughout the Year.*—4 hours credit each semester.

201-202. INTRODUCTION TO MODERN FRANCE.—Outline of the history of France and French literature from the French Revolution, presented through the study of selected textbooks. This course continues the pronunciation and grammar work of the first year, and aims to furnish opportunity for much rapid reading. Prerequisite, two years of high school French, one of college French, or the equivalent.

*Throughout the Year.*—3 hours credit each semester.

203-204. A two-hour course for students who have had only three years of high school French. This a more advanced course than French 201, and after the opening days will be conducted entirely in French. This course is not open to students who have had French 202 or four units of high school French. It includes a review of grammar and much conversational practice.

*Throughout the Year.*—2 hours credit each semester.

- 301-302. LITERATURE OF THE SEVENTEENTH CENTURY.—A survey of the literature of the seventeenth century, preceded by a brief survey of the French Renaissance. Boush's *Sixteenth Century Anthology*, and reading from Descartes, Corneille, LaRocheffoucauld, Pascal, Racine, Moliere, Boileau, and others. Essays in French. Prerequisite, French 202, or entrance requirement of four units of French.  
*Throughout the Year.*—3 hours credit each semester.
303. ADVANCED GRAMMAR AND COMPOSITION.—Exercises based on Armstrong's *French Verb* and Bassett's *Carte de France*. This course will be useful to the student of geography and economics. Prerequisite, French 202 or three entrance units of French.  
*First Semester.*—2 hours credit.
- 305-306. ADVANCED COMPOSITION.—Hill and Smith's *Advanced French Composition* with constant practice in free composition also. This course is more literary in subject matter than French 303. During the second semester large portions of a modern novel in English are translated into French.  
*Throughout the Year.*—2 hours credit each semester.
- 307-308. PHONETICS.—This course is designed to be useful to prospective teachers of any language, and of value to all students of French in perfecting their own pronunciation. During the second semester there is special work in French diction. Texts: Bond's *Sounds of French* and Pernod's *Lectures Phonétiques* and other phonetic texts. Prerequisite, 4 years of high school French or French 201 with a grade of B.  
*Throughout the Year.*—2 hours credit each semester.
310. FRENCH LETTER WRITING.—Practice in commercial and social correspondence. Prerequisite, French 201, 301, or 303.  
*Second Semester.*—1 hour credit.
- 311-312. ADVANCED CONVERSATION.—Conversation on modern and current topics. Students must subscribe to a French daily paper. The class meets twice a week. Prerequisite, French 302, 303, 305, or 307. Either semester may be taken separately. Sections are limited to seven members, and no student may register for this course until he has had a personal conference with the chairman of the department.  
*Throughout the Year.*—1 hour credit each semester.
401. THE EIGHTEENTH CENTURY.—Selected works of Marivaux, Abbé Prevot, Le Sage, Montesquieu, Voltaire, J. J. Rousseau, Diderot, Beaumarchais, and other writers. Essays in French. Prerequisite, French 302, 303, or 305 (Not to be offered in 1931-32.)  
*First Semester.*—3 hours credit.

402. THE ROMANTIC MOVEMENT.—Selected works of Chateaubriand, Lamartine, V. Hugo, de Vigny, de Musset, George Sand. Essays in French. Prerequisite, French 302, 303, 305, or 401. (Not to be offered in 1931-32.) *Second Semester*.—3 hours credit.
403. FRENCH LITERATURE FROM 1850 TO 1914.—Works illustrating la Comédie Sociale, la pièce à thèse, naturalism, and the reaction against naturalism. Essays, discussions, reports. Prerequisite, French 302, 303, or 305. *First Semester*.—3 hours credit.
404. FRENCH LITERATURE SINCE 1914.—Literature of the Great War; contemporary tendencies in present-day literature in prose and poetry; the stage of today. Essays and reports. Prerequisite, French 401, 402, or 403. *Second Semester*.—3 hours credit.
- 405-406. METHODS OF TEACHING FRENCH IN JUNIOR AND SENIOR HIGH SCHOOLS.—The purpose of this course is to acquaint prospective teachers with the modern methods of instruction, direct and indirect, the good textbooks available, the difference in technique used with different age-groups, and the various types of examinations, realia, games and songs. Students visit and report on secondary school classes, and teach model lessons to college groups. *Throughout the Year*.—1 hour credit each semester.
- 410-411. SURVEY OF FRENCH LITERATURE.—An advanced course for prospective teachers of French. *Throughout the Year*.—2 hours credit each semester.

## German

PROFESSOR LEINEWEBER AND ASSISTANT PROFESSOR ZUCKER

The courses in German are designed with two main objectives: (1) To equip the student with a working knowledge of the language necessary to an understanding of German culture; and (2) to impart a knowledge of the development of German literature and to foster appreciation of its masterpieces.

Because of its literary importance and because of its value in research, German is rapidly regaining its former position among foreign languages. Students who anticipate taking up graduate study or who expect to pursue the study of medicine or of chemistry should have a reading knowledge of the language. At least two years of college German is necessary for this purpose.

REQUIREMENTS FOR A MAJOR.—A major in German consists of twenty-four semester hours. Any course in the department may be counted toward a major.

Students majoring in German should select their supporting hours from advanced courses in English, French, Latin, philosophy, or Spanish.

101-102. BEGINNING GERMAN.—This course is devoted to the study of grammar and composition and to the reading of simple prose. Oral use of the language is gradually introduced.

*Throughout the Year.*—4 hours credit each semester.

201-202. INTERMEDIATE GERMAN.—This course is intended to give the student a good reading knowledge of the language. Special attention is given to grammar and composition. Besides Schiller's *Wilhelm Tell* a considerable amount of modern prose is read.

*Throughout the Year.*—3 hours credit each semester.

301-302. CLASSICAL DRAMA.—Reading and interpretation of selections from the works of Lessing, Goethe, and Schiller. The course is intended to serve as a general introduction to German literature. Outside reading and reports.

*Throughout the Year.*—3 hours credit each semester.

303-304. CONTEMPORARY GERMAN LITERATURE.—Lectures on the most important writers. Reading of texts selected from the best prose writers and poets. Private reading and reports. Conducted principally in German. Prerequisite, two years of college German or its equivalent. (Not to be offered in 1931-32.)

*Throughout the Year.*—3 hours credit each semester.

307-308. SCIENTIFIC GERMAN.—The purpose of this course is to acquaint the student with the technical vocabulary of scientific articles in physics, chemistry, biology, and medicine.

*Throughout the year.*—1 hour credit each semester.

## Greek

See **Classical Languages**, page 85.

## History

PROFESSOR GEWEHR AND ASSISTANT PROFESSOR DUDLEY

The purpose of the Department of History is to afford training in the discriminating use of historical materials, to cultivate the historical and the international habit of mind, and to develop a knowledge of the past as a basis for understanding and solving the problems of the modern world.

Although the courses are designed primarily to serve as a cultural background they are also meant to be of definite practical value to students who expect to engage in social service, to enter government employ, or to follow the practice of law.

The City of Washington affords unusual advantages for the study of history, especially that of our own country, and students have opportunity to visit many places of national and historic interest. Advanced students have access to rare documentary sources bearing upon their subjects.

**REQUIREMENTS FOR A MAJOR.**—Two majors are offered in the Department of History—a general major and a major in American history and government.

The general major consists of twenty-four semester hours above course 101-102. Supporting hours must be selected from the following courses: Economics 201-202; English 333-334; Political Science 201, 204, 305, and 402; Art 201-202.

The major in American history and government consists of 30 hours selected from the following courses: History 201-202, 301, 302, 310, 311, 405-406; and Political Science 201, 204, 305, 401, 402. The supporting hours must be chosen from the following courses: Economics 201-202, English 333-334, and History 203-204. This major should be taken by pre-law students.

**101-102. MODERN EUROPEAN HISTORY, 1500-1914.**—An introductory course intended distinctly for freshmen. The first semester's work covers the period to 1815 and the second semester's from 1815 to 1914.

*Throughout the Year.*—3 hours credit each semester.

**201-202. HISTORY OF THE UNITED STATES.**—A foundation course with primary emphasis upon our political development. This course is a prerequisite for all advanced courses in American History and normally should be taken in the sophomore year; it may be taken by freshmen who expect to major in American History and Government. First semester to the Civil War; second semester since the Civil War.

*Throughout the Year.*—3 hours credit each semester.

**203-204. HISTORY OF ENGLAND.**—A general course dealing with the political, social, and cultural history of England with some consideration of the development of the British Empire. This course is of especial value to students of literature and those expecting to enter law.

*Throughout the Year.*—3 hours credit each semester.

**205. HISTORY OF GREEK CIVILIZATION.**—A study of the origins and the nature of Greek culture and civilization. Readings, in translation, from contemporaneous historians and from standard works dealing with the life and achievements of the Greeks. (Offered by the Classics Department.)

*First Semester.*—3 hours credit.

**206. HISTORY OF ROMAN CIVILIZATION.**—A study of the economic, social, political, and military history of the Roman world, with especial consid-

eration of the Roman foundation of European civilization. (Offered by the Classics Department.)

*Second Semester.*—3 hours credit.

301. THE AMERICAN COLONIES.—The colonization of North America, the development of institutions in the English Colonies, the struggle with New France, the background of the American Revolution are studied. Prerequisite, Course 201-202 or the equivalent. (Not to be offered in 1931-32.)

*First Semester.*—3 hours credit.

302. HISTORY OF THE AMERICAN FRONTIER.—The dominant influence in shaping American national life and institutions has been the westward movement of the frontier. The history of this frontier from the Alleghenies to the Pacific is traced, together with its problems and its contributions to our national life. Prerequisite, Courses 201-202 or the equivalent.

*Second Semester.*—3 hours credit.

303. HISTORY OF LATIN AMERICA.—From the colonization by the Spanish and Portuguese to the present. The institutions of the old regime, the wars of independence, developments and problems of the new nations and their relations to the United States, are emphasized. (Not to be offered in 1931-32.)

*First Semester.*—3 hours credit.

305. MEDIEVAL EUROPE.—From the disruption of the Roman Empire to the Renaissance. The coming of the barbarian invaders, feudalism, the rise of the Christian Church and the Papacy, the Crusades, the Medieval Empire, the development of culture, and the rise of national states are some of the subjects studied in this course.

*First Semester.*—3 hours credit.

306. THE RENAISSANCE AND THE REFORMATION.—A study of medieval culture and its decline; of the origins of the fresh intellectual and moral fiber for the needs of the Renaissance and the Reformation; of the course of the creative genius in art and literature; of the challenge of authority; and of the newer spirit of investigation giving rise to modern interests. Prerequisite, History 203-204.

*Second Semester.*—3 hours credit.

- 307-308. EUROPEAN DEPENDENCIES.—A survey of the expansion of European peoples, institutions, and culture with reference to the development of modern imperialism. The commercial revolution; Portuguese and Spanish expansion in the fifteenth and sixteenth centuries; the rise of the Dutch empire; the colonization of North America; the Anglo-French contest for supremacy in America and India; the partition of

Africa; European imperialism in China; the British self-governing colonies; the mandate system and developments since the World War are some of the topics studied. Prerequisite, History 101-102.

*Throughout the year.*—3 hours credit each semester.

310. AMERICAN STATESMEN.—An effort will be made in this course to study the lives of a selected group of American statesmen with particular reference to their part played in public affairs, their contribution to American political thought, and their influence on the formulation of political issues. Prerequisite, History 201-202.

*Second Semester.*—3 hours credit.

311. SOCIAL HISTORY OF THE UNITED STATES.—This course is devoted to a study of American traits and ideals. Consideration is given to the contribution made to American life by the different racial and national groups and the different sections of the country. An attempt will be made to relate history to literature. Some attention will be given to the biographies of typical Americans. Prerequisite, History 201-202. (Not to be offered in 1931-32.)

*First Semester.*—3 hours credit.

- 401-402. RECENT HISTORY OF EUROPE.—The diplomatic background of the Great War; the present status of the question of war responsibility; the war itself; the Versailles conference and peace treaties; the new states of Europe; problems of reconstruction; the revival of Turkey, and developments since 1918 are the principal topics studied in this course. Prerequisites, Course 101-102 or the equivalent, or senior rank. Either semester may be taken without the other.

*Throughout the Year.*—3 hours credit each semester.

403. THE NEAR EAST.—This course deals primarily with the history of the Balkan States from the earliest times to the present. The coming of the Slavs, and the rise and disruption of the old Turkish Empire, the development of the modern Balkan Nations, Near East problems since the Great War. Stress is placed upon contemporary developments. Prerequisites, Courses 101 and 102 or senior rank. (Not to be offered in 1931-32.)

*First Semester.*—3 hours credit.

404. THE FAR EAST.—A general survey of the development of China and Japan. The aim is to furnish a background for the interpretation of the world problems centering in the Far East and to gain some appreciation of the distinctive culture which these lands offer. The chief emphasis is placed on the period beginning with the contact with the West. (Not to be offered in 1931-32.)

*Second Semester.*—3 hours credit.

**405-406. CONSTITUTIONAL HISTORY OF THE UNITED STATES.**—An advanced course in which it is aimed to study the great constitutional problems and controversies typical of the development of American issues and institutions. Prerequisite, Course 201-202. (Not to be offered in 1931-32.)

*Throughout the Year.*—3 hours credit each semester.

## Latin

See **Classical Languages**, page 85.

## Mathematics

PROFESSOR SHENTON AND ASSISTANT PROFESSOR ROUSE

The courses in this department are planned to encourage the students to do clear and concise thinking; to develop their powers of reasoning and research; and to give them the necessary mathematical background for their work in the sciences, both natural and social.

Courses 101-102, 201-202, and 405-406 should be taken by all pre-engineering students, and course 301-302 is also recommended if time is available. Students who major in education or in economics will find course 305-306 of great assistance in helping them understand their problems of measurement.

**REQUIREMENTS FOR A MAJOR.**—A major in mathematics consists of twenty semester hours chosen from the courses above the 100 group. Astronomy and physics are the most closely allied minors and should be included in the elections of those majoring in mathematics.

**101-102. COLLEGE ALGEBRA, PLANE TRIGONOMETRY, AND PLANE ANALYTIC GEOMETRY.**—During the first semester, an intensive course in plane trigonometry, stressing the trigonometric functions and their application to the solution of triangles as well as to the trigonometric identities; selected topics in college algebra with particular attention to the solution of equations and a clear understanding of the theory of logarithms and the use of logarithms in practical computation. During the second semester, a study of coördinate systems as applied to graphs of various equations; curves resulting from locus conditions; a systematic study of the conic sections.

*Throughout the Year.*—4 hours credit each semester.

**103. ELEMENTARY COLLEGE ALGEBRA LABORATORY.**—A course required of all students who wish to take course 101-102, but who have presented only one unit of algebra for entrance. Two hours of lecture and laboratory work each week for the first semester.

*First Semester.*—1 hour credit.

- 105-106. DESCRIPTIVE GEOMETRY.—A practical study of the principles underlying the various projections used in mechanical drawing. Entirely a laboratory and problem course. Six laboratory hours weekly. (Not to be offered in 1931-32.)

*Throughout the Year.*—2 hours credit each semester.

- 201-202. DIFFERENTIAL AND INTEGRAL CALCULUS.—A course designed to give the students a real working knowledge of the fundamentals of the differential and integral calculus, with particular attention to its applications in the sciences.

*Throughout the Year.*—3 hours credit each semester.

- 205-206. SURVEYING.—A practical course in land surveying. The first part of the year will be given over to practical use of the transit in the field. Later the data so obtained will be worked out in the recitations. Four to six hours of field work or two hours of recitation each week for the entire year. Plane trigonometry (Mathematics 101) is a prerequisite. (Not to be offered in 1931-32.)

*Throughout the Year.*—2 hours credit each semester.

301. ADVANCED CALCULUS.—A thorough course for students who have completed Mathematics 201-202.

*First Semester.*—3 hours credit.

302. DIFFERENTIAL EQUATIONS.—Open to students who have completed Mathematics 301.

*Second Semester.*—3 hours credit.

In 1931-32 Mathematics 301 and 302 above will be replaced by the following courses:

301. DIFFERENTIAL EQUATIONS.—Open to students who have completed Mathematics 201-202.

*First Semester.*—3 hours credit.

302. DIFFERENTIAL GEOMETRY.—Open to students who have completed Mathematics 301.

*Second Semester.*—3 hours credit.

- 305-306. INTRODUCTION TO STATISTICAL METHOD.—Types of data, graphical representation, frequency distribution, averages and their properties, measures of dispersion, binomial distribution and normal curve, correlation ratio, coefficient of correlation. (Not to be offered in 1931-32.)

*Throughout the Year.*—3 hours credit each semester.

- 401-402. MODERN HIGHER ALGEBRA.—Theory of determinants and invariant and covariant theory.

*Throughout the Year.*—3 hours credit each semester.

- 403-404. MODERN GEOMETRY. (Not to be offered in 1931-32.)

*Throughout the Year.*—3 hours credit each semester.

405-406. ANALYTICAL MECHANICS.—A course in theoretical mechanics open to students who have completed Mathematics 201-202 and Physics 201-202. (Not to be offered in 1931-32.)

*Throughout the Year.*—3 hours credit each semester.

## Music

PROFESSOR LEINWEBER AND MR. SHURE

The work in music is offered with the idea of providing for students an opportunity to understand and to appreciate music as part of a liberal education.

Both theoretical and practical courses are offered, but college credit for practical work is given only if the student has completed two years of work in theory in regular college courses, and if the practical work is of advanced college grade.

A choral society and an orchestra, under the direction of members of the faculty, offer training to students of special abilities.

101-102. APPRECIATION OF MUSIC.—An introductory course intended to give the students a basis for the intelligent appreciation of music. Since it is a non-technical course, a previous knowledge of music is not necessary.  
*Throughout the Year.*—2 hours credit each semester.

201-202. HISTORY OF MUSIC.—A survey of the history and the development of the art of music.  
*Throughout the Year.*—2 hours credit each semester.

203-204. HARMONY.—The purpose of this course is to equip the student with an understanding of the theory of harmony and its practical application. Special emphasis is laid on choral work and four-part writing.  
*Throughout the Year.*—3 hours credit each semester.

211-212. ORCHESTRAL MUSIC.—The development of orchestral music; instrumentation. Students registering for this course must have had practical experience in applied music. The class will meet three times a week.  
*Throughout the Year.*—2 hours credit each semester.

COLLEGE GLEE CLUBS.—Glee clubs, under competent direction, are organized for choral singing—one for men and one for women. One or more concerts are usually given during the second semester.

## Philosophy

DR. SINCLAIR

The study of philosophy furnishes a perspective of human life. It shows the relation of the individual to society and of human life to the cosmos. In a practical way philosophy makes explicit our attitude to man, God, and the universe. It should make clear the real meaning of life.

The courses offered are designed to familiarize the student with the principal systems of thought and with the problems arising from philosophic reflection, and to afford discipline in independent thought.

REQUIREMENTS FOR A MAJOR.—A major in philosophy consists of twenty-four semester hours; of these, six hours may be taken in courses in religion in the 300 group.

Students majoring in philosophy should select supporting hours from advanced courses in art, English, history, psychology, and religion.

103-104. PSYCHOLOGY.—See Education 103-104.

203. LOGIC.—This course seeks to acquaint the student with the general nature and conditions of the logical process. The terms *notion*, *judgment*, *interference*, *proof*, and *explanation* are examined to determine their meaning. Fallacies are considered, and the respective spheres of deduction and induction in the thought life are sought.

*First Semester.*—3 hours credit.

204. ETHICS.—Ethics is studied as a vital discipline leading to the control and proper direction of life. The place that the fundamental ethical ideas—God, duty, and virtue—have in a moral system is considered, and the different schools of ethics are examined to see which school defines and leads to the highest good.

*Second Semester.*—3 hours credit.

301-302. HISTORY OF PHILOSOPHY.—A history of philosophical systems from the early Greek period to modern times. The course consists of a discussion of (1) the Greek philosophy of nature, mind, and will; (2) mediæval Christian-scholastic philosophy; and (3) modern philosophy from Bacon and Hobbes to Schopenhauer and Darwin.

*Throughout the Year.*—3 hours credit each semester.

303. CONTEMPORARY PHILOSOPHY.—This course considers the philosophical thought of Great Britain, France, Germany, Italy, and America, during the last half century. It consists of a discussion of (1) Naturalism, Materialism, Positivism, and Realism; (2) Vitalism, Voluntarism, and Pragmatism; and (3) Spiritual Idealism, as advocated in the philosophical systems of recent contemporary writers.

*First Semester.*—3 hours credit.

401-402. THE PHILOSOPHY AND PSYCHOLOGY OF RELIGION.—This course presents the background of recent philosophical and psychological tendencies as they relate to religious culture, applying these to religious faith and experience. The course is especially designed for students preparing for theological schools.

*Throughout the Year.*—3 hours credit each semester.

### Physical Education for Men

ASSISTANT PROFESSOR YOUNG AND ASSISTANT

101-102. FRESHMAN COURSE.—Outdoor activities, such as track and field athletics, soccer, volley ball, playground ball, and group games, as long as weather permits. Indoors—(1) marching tactics, calisthenics, and apparatus work; (2) mass competition in athletic events; (3) gymnasium games. Required of freshmen.

*Throughout the Year.*—2 hours a week; one hour credit.

201-202. SOPHOMORE COURSE.—Graded and progressive work of the same type as that given in course 101-102. Required of sophomores.

*Throughout the Year.*—2 hours a week; one hour credit.

301-302. JUNIOR COURSE.—Graded and progressive work of an advanced nature. Required of juniors.

*Throughout the Year.*—2 hours a week; one hour credit.

### Physical Education for Women

MISS WULF AND ASSISTANT

101-102. FRESHMAN COURSE.—The major fall sport is hockey, which is played as long as the weather permits. Indoor work includes elementary marching tactics, gymnastic exercises, stunts, games, folk dancing, volley ball, and basketball. Spring activities include soccer and baseball. Required of freshmen. Swimming is offered as an elective during the indoor season.

*Throughout the Year.*—2 hours a week; one hour credit.

201-202. SOPHOMORE COURSE.—Advanced work of the same type as is given in Course 101-102. Required of sophomores. Archery is offered as an elective in the fall and spring, and swimming is offered as an elective in the indoor season.

*Throughout the Year.*—2 hours a week; one hour credit.

301-302. JUNIOR COURSE.—More advanced work of the same type as is given in Course 201-202. Required of juniors. Archery and swimming are offered as electives in their respective seasons.

*Throughout the Year.*—2 hours a week; one hour credit.

### Physics

ASSISTANT PROFESSOR ROUSE

The courses in this department are designed to give those students who are especially interested in scientific and engineering subjects, or in future graduate study and research, a thorough grounding in fundamental physical principles. Course 201-202 is equally well suited for those having only a general scientific interest.

REQUIREMENTS FOR A MAJOR.—A major in physics consists of twenty-six semester hours. The student majoring in physics should complete the work in mathematics through Calculus and Differential Equations. He is expected to take at least the first course in chemistry.

Course 201-202 should be taken by all pre-medical and pre-engineering students.

201-202. GENERAL PHYSICS.—A thorough survey and laboratory course in the field of general physics. Three hours of demonstration and discussion, and three hours of laboratory work each week. Plane trigonometry is a prerequisite, which may be absolved by concurrent registration in Mathematics 101. Fee, \$5 and breakage each semester. Open to qualified freshmen.

*Throughout the Year.*—4 hours credit each semester.

301-302. ELECTRICITY AND MAGNETISM.—Three hours of lecture or recitation each week dealing with the fundamental concepts of the electric current, electrostatics, thermo-electricity, magnetism, alternating current phenomena, electromagnetic radiation, etc. Three hours laboratory work each week devoted to the exact measurement of resistance, potential difference, current, capacitance and inductance, and to experiments on magnetism, the electron tube, and pyrometry. Fee, \$5 and breakage each semester. Course 201-202 is a prerequisite. Offered in alternate years with course 303-304.

*Throughout the Year.*—4 hours credit each semester.

303-304. GEOMETRIC AND PHYSICAL OPTICS.—Three hours lecture and recitation and three hours laboratory work each week. Fee, \$5 and breakage each semester. Course 201-202 is a prerequisite. Offered in alternate years with course 301-302. (Not to be offered in 1931-32.)

*Throughout the Year.*—4 hours credit each semester.

401-402. ADVANCED LABORATORY PROBLEMS.—Each student will be assigned special problems in the solution of which he will have ample opportunity to develop his own initiative and resourcefulness. May be taken only with permission of the instructor. Fee, \$5 and breakage each semester.

*Throughout the Year.*—Credit to be arranged.

405-406. ANALYTICAL MECHANICS.—Identical with Mathematics 405-406. (Not to be offered in 1931-32.)

*Throughout the Year.*—3 hours credit each semester.

## Political Science

ASSISTANT PROFESSOR——AND TEACHING FELLOWS

One of the significant aims of the Department of Political Science is to prepare students for intelligent and effective citizenship. To this end effort is made to interpret the political life and movements of our time in city, state,

and nation. The City of Washington affords students the unusual opportunity of studying at first-hand the organization and the work of various departments and bureaus of the federal government.

Another aim of the department is to promote international understanding and goodwill through the study of the politics and governments of the leading foreign nations. Courses are offered also dealing with world affairs, and the department coöperates with students in maintaining an International Relations Club, organized for the purpose of discussing informally the more important international problems.

Courses in political science are indispensable to students who expect to enter public service or the Christian ministry, or to follow the professions of law, journalism, or teaching.

REQUIREMENTS FOR A MAJOR.—A major in political science consists of twenty-four hours; of these, three hours must be taken in economics, and three additional in economics or history. Students majoring in political science should elect for supporting hours courses in economics, history, psychology and philosophy, and should acquire a reading knowledge of both French and German.

201. AMERICAN GOVERNMENT.—An introductory course in political science acquainting the student with the nature, origin, and development of the American governmental system. Special attention is given to the developing of the federal constitution; the President and his powers; national administration; the organization, procedure, and powers of Congress; and the federal judicial system. At frequent intervals the members of the class will be given an opportunity to observe at first-hand the work of the various government departments in Washington.  
*First Semester.*—3 hours credit.

203. STATE AND LOCAL GOVERNMENT IN THE UNITED STATES.—A study of the relation of the state governments to the federal government, and of problems of organization and administration in the state governments. Considerable attention is paid to the problem of determining just how large a part the citizen should be permitted to play in electing state officers and in determining state policy. Instruments of popular control, such as the initiative and referendum, the direct primary, and the recall of public officers, are studied. Brief attention is paid to the relationship between the state government and the city, county and village. Prerequisite, Political Science 201.  
*Second Semester.*—3 hours credit.

204. EUROPEAN GOVERNMENTS.—A comparative study of the governments in the principal European states, with special attention to the organizations

and functions of the governmental agencies of Great Britain, France, Germany, Italy, Switzerland, and Russia. Prerequisite, Political Science 201.

*Second Semester.*—3 hours credit.

301. MUNICIPAL GOVERNMENT IN THE UNITED STATES.—A study of the different types of city government that are found in the United States today, including government by mayor and council, by commission, and by manager. Questions of a sociological, political, and legal character concerning the organization and framework of the municipality are taken up, including a brief survey of such municipal activities as city planning, police, social welfare, public improvements, utilities, and finance. Prerequisite, Political Science 201.

*First Semester.*—3 hours credit.

305. AMERICAN CONSTITUTIONAL LAW.—Designed primarily for those students of American history and political science who do not expect to pursue the professional study of law. The course will study the origin and nature of constitutional law, relationship between federal and state governments, citizenship, impairment of contracts, due process of law, class legislation, police power, eminent domain, and interstate commerce. Prerequisite, Political Science 201, with a grade of C or better.

*First Semester.*—3 hours credit.

306. POLITICAL PARTIES.—A study of political parties in the United States—their origin, development, and functions. Consideration is given to nominating systems, elections, patronage, political bosses and party machinery, campaign expenditures, etc.

*Second Semester.*—3 hours credit.

401. INTERNATIONAL RELATIONS.—A study of the development of the modern system of sovereign states and the attempts to regulate the relations of these states by means of international organizations. Special attention is given to the work of the World Court and of the League of Nations, and to other present-day movements and problems.

*First Semester.*—3 hours credit.

402. INTERNATIONAL LAW.—This course is designed to give an understanding of the fundamental principles of international law. A standard textbook used as the basis of instruction will be supplemented by the study of leading cases involving questions of international law. The intention is not so much to drill in dogmatic statements of the law as to develop in the student an ability to analyze international situations for himself with some degree of clearness.

*Second Semester.*—3 hours credit.

## Religion

ASSISTANT PROFESSOR JACKSON

The aim of this department is threefold: (a) To bring the general student, regardless of special field of interest, into first-hand contact with the life and spirit of Jesus; (b) To offer to students for the Christian ministry that background of Biblical knowledge and research necessary to, and presupposed by, the work of the theological seminary; (c) To equip professional workers in the field of religion with that grasp of the philosophy, program, life, teachings, and spirit of Jesus as will make their technique most effective in the building of a better world.

**REQUIREMENTS FOR A MAJOR.**—A major in religion consists of forty semester hours which must include the following courses in Religion: 101-102, 302, 303, 306. The remaining twenty-five hours must be selected from the following courses: Introduction to the Fine Arts, Play Acting, Principles of Economics, Capitalism and Its Critics, Labor Problems, General Psychology, Abnormal and Clinical Psychology, Social Psychology, Victorian Poetry, Shakespeare, History of the United States, History of Philosophy, Ethics, Philosophy and Psychology of Religion, and electives in the department of religion. Students coming from other institutions with advanced standing, who expect to graduate with a major in this department, must take a minimum of nine semester hours including courses 302, 303 or 407, and 306. For a suggested four-year program of courses for students preparing for professional social service, see page 77.

**101-102. LIFE AND TEACHINGS OF JESUS.**—A study of the life and teachings of Jesus as recorded in the gospels according to Mark, Matthew, and Luke. This course is considered the fundamental course in the department, and its attempts to evaluate the significance of Jesus for the present day. The inductive method is used.

*Throughout the Year.*—3 hours credit each semester.

**204. THE HISTORY OF THE HEBREWS.**—This course will begin with a brief survey of the life of the Hebrews before the Egyptian period. It will proceed to a study of the origins of the Hebrew Commonwealth under Moses, tracing its rise through the Golden Age under David, and its decline and fall as a divided kingdom. An attempt will be made to discover the causes of its appearance in history, and the roots of its final dissolution.

*Second Semester.*—3 hours credit.

**205-206. NEW TESTAMENT GREEK.**—The rudiments of the grammar of the Greek New Testament are studied during the year. Selections from the Gospels are read during the second semester.

*Throughout the Year.*—3 hours credit each semester.

301-302. **INTRODUCTION TO THE STUDY OF THE BIBLE.**—This course aims to present from the historical and non-sectarian point of view, the elements of what every intelligent person should know about the Bible, including a study of the origin, significance, and abiding worth of the various books. First Semester: A study of the literature of the Old Testament, with especial consideration of its growth and of its importance in the life of the Hebrews. Second Semester: A survey of the literature of the New Testament, with a review of the more important manuscripts. Attention is given to each of the books and to as much of their background as is necessary to a greater appreciation of their value for today.

*Throughout the Year.*—3 hours credit each semester.

303-304. **THE RELIGIONS OF MANKIND.**—An introductory study of the great religious systems of the world, with a view to discovering their relative contributions to civilization. In the second semester the course will trace the developing idea of God throughout the Old Testament, with a view to a better comprehension of Jesus' idea of God. It will attempt to discover those elements in his philosophy of life which made him the highest revelation of God to men.

*Throughout the Year.*—3 hours credit each semester.

306. **SOCIAL TEACHINGS OF JESUS.**—A specific study of the teachings of Jesus with respect to such matters as family, racial, industrial, and international relations. It will seek to discover those principles of Jesus which will help one in determining his attitudes toward such economic and social questions as poverty, wealth, war, and prohibition. The course differs from the second semester of the Life and Teachings of Jesus in that it offers opportunity for a more specialized study of Jesus' social attitudes.

*Second Semester.*—2 hours credit.

308. **PHILOSOPHY AND PSYCHOLOGY OF RELIGION.**—This course presents the background of recent philosophical and psychological tendencies as they relate to religious culture, applying these to religious faith and experience. The course is especially designed for students preparing for theological schools.

*Second Semester.*—3 hours credit.

312. **DISCUSSION-GROUP LEADERSHIP.**—The course will deal with such matters as the function of the leader in group discussion, conduct of the discussion, how to encourage participation in the discussion, setting up the program for the group, preparation necessary to leading the discussion, and gathering the data.

*Second Semester.*—2 hours credit.

313-314. **THE CHRISTIAN MINISTRY.**—A seminar extending throughout the year, designed for students preparing for the Christian ministry. It will

give especial attention to such phases of the work of the minister as preparation for the sermon, preparation and delivery of the sermon itself, the conduct of public worship, and practice preaching. The seminar is under the direction of the director of the department, but the lectures and assignments will be shared with other members of the faculty, together with several of the leading clergymen of the city.

*Throughout the Year.*—1 hour credit each semester.

- 401-402. THE SYNOPTIC GOSPELS.—An exegetical study of selected readings from the first three gospels, including the Sermon on the Mount. A knowledge of Greek is required. (Not to be offered in 1931-32.)

*Throughout the Year.*—2 hours credit each semester.

- 403-404. NEW TESTAMENT EPISTLES.—Reading and interpretation of selected portions from Paul's correspondence with the Thessalonians and Corinthians. A knowledge of Greek is required. (Not to be offered in 1931-32.)

*Throughout the Year.*—2 hours credit each semester.

- 405-406. THE JOHANNINE LITERATURE.—Rapid reading of the Fourth Gospel, the Epistles of John, and the Apocalypse, with exegesis of selected portions. A knowledge of Greek is required. (Not to be offered in 1931-32.)

*Throughout the Year.*—2 hours credit each semester.

407. THE GOSPEL ACCORDING TO JOHN.—A careful study of the Gospel of John with a view to a comprehension of its deeper meaning. Such matters as authorship, object, inherited literary methods, backgrounds, and others necessary to its interpretation will be considered. The course will be conducted by lecture, discussion, and research. Prerequisite, Religion 101-102, or by special permission.

*First Semester.*—3 hours credit.

412. METHODS OF TEACHING RELIGION.—This course deals with two approaches in teaching religion—the book approach, and the life-situation approach. It will deal with the teaching of popular groups, academic courses, and State Council of Religious Education Schools in Leadership Training, now widespread throughout the country.

*Second Semester.*—2 hours credit.

## Spanish

PROFESSOR LEINEWEBER AND MISS OLDS

The purpose of the Spanish courses is to impart to the student a thorough knowledge of the written and spoken language to enable him (1) to meet the needs arising from the constantly growing commercial intercourse between the United States and the Spanish-speaking countries; (2) to appreciate the

masterpieces of Spanish literature; and (3) to lay the foundation for the prosecution of higher studies in the literary domain of both Spain and the Spanish-American republics.

REQUIREMENTS FOR A MAJOR IN SPANISH.—A major in Spanish consists of twenty-four semester hours exclusive of Spanish 101-102.

REQUIREMENTS FOR A MAJOR IN ROMANCE LANGUAGES.—A major in Romance languages consists of twenty-four semester hours selected from courses in Spanish and French exclusive of Spanish 101-102 and French 101-102.

101-102. BEGINNING SPANISH.—An elementary course that aims to secure accuracy and facility in the use of the language by means of drill in pronunciation, grammar, and easy reading. Reading of easy modern prose and plays, with practice in composition, dictation, and conversation. *Throughout the Year*.—4 hours credit each semester.

201-202. INTERMEDIATE SPANISH.—An outline of Spanish history presented through a study of maps and appropriate texts. Review of grammar, continued study of pronunciation, and practice in composition. Reading of selected works from modern authors. Outside reading with written reports. Prerequisite, two years of high school Spanish, one year of college Spanish, or the equivalent. *Throughout the Year*.—3 hours credit each semester.

301. THE MODERN NOVEL.—This course includes a brief history of the development of the novel with emphasis on the regional novelists of the nineteenth century. Lectures on a few representative novelists and modern tendencies of contemporary fiction. Reading and discussion of the most important works of the regional novelists. Extensive outside reading with written reports in Spanish. Prerequisite, two years of college Spanish or its equivalent. *First Semester*.—3 hours credit.

302. THE MODERN DRAMA.—This course includes lectures on the history of the origin and development of the drama in Spain, with emphasis on the modern Spanish drama. Reading and interpretation of selected plays by Moratín, Echegaray, Tamayo y Baus, Benavente, Linares Rivas, Martínez Sierra, Marquina, and the Álvarez Quintero Brothers. Extensive outside reading with written reports in Spanish. Prerequisite, Spanish 301 or its equivalent. *Second Semester*.—3 hours credit.

303. THE SPANISH NOVEL OF THE GOLDEN AGE.—Lectures on the history of the Spanish novel from its origin to its full development with Cervantes, with emphasis on the picaresque novel through a brief study of selections from *Lazarillo de Tormes*. Special study of Cervantes, his *Novelas*

*Ejemplares* and *Don Quijote*. Extensive outside reading with written reports. Prerequisite, two years of college Spanish or its equivalent. (Not to be offered in 1931-32.)

*First Semester*.—3 hours credit.

304. THE SPANISH DRAMA OF THE GOLDEN AGE.—Lectures on the history of the Spanish drama from its origin to its full development with Lope de Vega. Emphasis on the lives and representative works of the four great dramatists of the age—Lope de Vega, Juan Ruiz de Alarcón, Tirso de Molina, and Calderón de la Barca. Extensive outside reading with written reports. Prerequisite, Spanish 303 or its equivalent. (Not to be offered in 1931-32.)

*Second Semester*.—3 hours credit.

305. COMMERCIAL CORRESPONDENCE AND COMPOSITION.—This course is designed to enable the student to speak and write Spanish with facility, with special emphasis on the vocabulary necessary for business letters and other forms. Study of business texts, foreign letters and business forms, Spanish advertising, magazines, and newspapers. The class is conducted in Spanish. Prerequisite, two years of college Spanish or its equivalent.

*First Semester*.—3 hours credit.

306. ADVANCED COMPOSITION.—Castillo and Montgomery's *Advanced Spanish Composition* is used as a text to enable the student to translate ordinary prose from English into idiomatic Spanish. Much practice in free composition. Prerequisite, two years of college Spanish or its equivalent.

*Second Semester*.—2 hours credit.

307. SURVEY OF SPANISH LITERATURE.—Northup's *An Introduction to Spanish Literature* will be used as a text in this study of the origin and development of the principal literary movements. Selected readings from Rubio and Neel's *Spanish Anthology*, Hurtado y Palencia, Ford's *Anthology*. Extensive outside reading with written reports. Prerequisite, two years of college Spanish or its equivalent. (Not to be offered in 1931-32.)

*First Semester*.—3 hours credit.

308. SPANISH CONVERSATION.—This course offers opportunity for students to develop ease and accuracy in the use of oral Spanish. Students must subscribe to a Spanish newspaper or magazine. The class meets twice a week. Prerequisite, two years of college Spanish or its equivalent.

*Second Semester*.—1 hour credit.

401. CONTEMPORARY SPANISH LITERATURE.—A study of the general trend of modern literature as shown by a study of the Generation of 1898 and other more recent writers. The principal representatives of the novel,

essay, drama, and criticism will be studied with selected readings from each author. Prerequisite, three years of college Spanish or its equivalent. (Not to be offered in 1931-32.)

*First Semester.*—3 hours credit.

402. SPANISH-AMERICAN LITERATURE.—This course is designed for students who are interested in becoming acquainted with the life and customs of the people in Spanish-America through a study of its literature and maps. It is of special benefit to students of Latin-American history, as well as to all students interested in good Spanish literature. Prerequisite, three years of college Spanish or its equivalent. (Not to be offered in 1931-32.)

*Second Semester.*—3 hours credit.

## Speech

PROFESSOR HUTCHINS, MRS. FRENCH, AND MR. HISLOP

The instruction in speech is designed to give the student practical training in the use of the voice as an efficient instrument of self-expression and literary interpretation. Attention is given to the development of habits of logical thinking, to the selection of the right kind of material in the preparation of speeches, and to the effective presentation of these speeches before audiences. Considerable emphasis is placed upon training in the production of the drama.

Enrollment is kept at a low number so that the student will have ample opportunity for actual practice under the guidance of instructors.

- 101-102. PRINCIPLES OF SPEECH.—This course is designed to acquaint the student with the fundamental principles of effective speaking. During the first semester each student will be assigned various topics of current interest and required to apply the fundamentals of effective speaking by developing these subjects before the class. Emphasis is placed on the selection of material, the logical development of ideas, clear organization of thought, and the building of a vocabulary. During the second semester special attention is given to the development of voice and action as aids to effective speech.

*Throughout the Year.*—3 hours credit each semester.

- 103-104. INTRODUCTION TO ARGUMENTATION.—Emphasis in this course is placed upon fundamentals of debating, including analysis, evidence, briefing, drawing, and presentation of argument. The course is designed especially for freshmen and sophomores who desire to qualify for later participation in intercollegiate debating.

*Throughout the Year.*—2 hours credit each semester.

- 201-202. LITERARY AND DRAMATIC INTERPRETATION.—The first semester is a study of the technique of interpretation of literature through voice and

action; practice in reading and interpreting narrative, lyric, and dramatic literature. The second semester is an intensive study from the standpoint of oral interpretation of selected pieces of literature; training in the original adaptation of literature for oral interpretation, and the selection and presentation by each student of different types of literature.

*Throughout the Year.*—3 hours credit each semester.

203. **EXTEMPORANEOUS SPEAKING.**—Practice in the presentation of various forms of public address, with special attention to the delivery of extemporaneous speeches upon current topics.

*First Semester.*—3 hours credit.

204. **PARLIAMENTARY LAW.**—The aim of this course is to acquaint the student with the rules of order and of organization obtaining in various forms of modern assemblies. Each member of the class is given opportunity to act both as parliamentarian and as presiding officer. Much practice in debate is afforded. Enrollment is limited to fifteen students.

*Second Semester.*—1 or 2 hours credit.

- 205-206. **PLAY ACTING.**—Rehearsal and production of selected plays. Instruction will include training in voice, in diction, in posture, in movement, and in dramatic expression, as well as in the technical problems of the practical stage, including the design and manipulation of scenery, lighting, and stage-management.

*Throughout the Year.*—Credit according to work done.

- 305-306. **ADVANCED DEBATING.**—A course designed to prepare students for practical work in debating. The class meets at least twice a week during the first semester for the intensive study of problems in debating and of important questions of the day. During the second semester the class will give its entire attention to intercollegiate debating. Registration by permission of the instructor.

*First and Second Semesters until April.*—1 or 2 hours credit.

## Registration by Courses, 1930-1931

Department	Course No.		Title of Course	Credit Hours	1st Sem.	2nd Sem.
	1st Sem.	2nd Sem.				
Art	201-202		Introduction to Fine Arts (3)		26	24
	205-206		Play Acting (1)		55	48
	215-216		Design (2)		9	11
	301-302		Modern European Art (2)		16	18
	317-318		Survey of the Drama (3)		33	32
Biology	101		Biology of Animals (5)		64	
		102	Ecology of Plants (5)			57
	201		Invertebrate Zoölogy (3)		6	
		204	Biology of Vertebrates (3)			4
	209		Bacteriology (4)		9	
		210	Elementary Anatomy, Physiology, and Hygiene (4)			8
		302	Social Biology (2)			7
	305-306		Biological Technique (2)		4	3
Chemistry	411-412		Biological Round-Table (2)		4	4
	101-102		General Chemistry (5)		21	21
	201-202		Analytical Chemistry (5)		6	5
	301-302		Organic Chemistry (4)		5	5
Economics	101-102		Our Economic World (3)		27	22
	201-202		Principles of Economics (3)		40	39
	205		Accounting (3)		18	
	303-304		Money and Banking (3)		17	17
	305		Corporations, Trusts, and Monopolies (3)		8	
		306	Labor Problems (3)			5
		352	Business Law (3)			13
	401-402		Capitalization and Its Critics (3)		11	10
	405		Business Administration (3)		10	
		406	Marketing (3)			25
Education	103-104		Freshman Psychology (3)		39	38
	201-202		Introductory Experimental Human Psychology (3)		7	7
	203-204		Social Psychology (3)		28	26
	301		Educational Psychology (3)		15	
		302	Principles of Education (3)			13
	305-306		Abnormal and Clinical Psychology (3)		12	10
	307-308		Advanced Experimental Human Psychology (3)		2	1
		402	School Hygiene and Physical Inspection of School Children			1
	405		Principles and Methods of Teaching (3)		13	

## Registration by Courses, 1930-1931

Department	Course No. 1st Sem. 2nd Sem.	Title of Course Credit Hours	1st Sem.	2nd Sem.
	407	The American Secondary School (3)	3	
	408	Junior and Senior High School Administration (3)		18
	410	Educational Tests and Measurements (3)		8
	411-412	Individual Mental Test (3)	11	7
	413-414	Observation and Practice Teaching (2)	11	11
	451-452	Advanced Psychological Problems (2)	4	3
English	101-102	Freshman English (3)	85	75
	101A	Supplementary Drill	35	20
	211-212	Sophomore English (3)	68	80
	301-302	Advanced Writing (2)	19	21
	309-310	Latin Literature in Translation (3)	10	10
	315-316	Shakespeare (3)	8	8
	317-318	Survey of the Drama (3)	33	32
	321-322	The Novel (3)	14	12
	323-324	The Romantic Period (3)	6	7
	327-328	Principles and Methods of Literature (3)	18	17
	333-334	American Literature (3)	10	10
	415	The Age of Pope (3)	8	
	416	The Age of Johnson (3)		9
French	101-102	Beginning French (4)	16	15
	201-202	Introduction to Modern France (3)	40	36
	203-204	Intermediate French (2)	14	12
	301-302	Seventeenth Century Literature (3)	26	17
	303	Advanced Grammar and Composition (2)	5	
	304-304	Conversation (2)	9	12
	305-306	Advanced Composition (2)	5	5
	307-308	Phonetics (2)	9	8
	307	Phonetics (2)		5
	401	Eighteenth Century Literature (3)	5	
	402	Romanticism (3)		5
	405	Methods of Teaching French in Junior and Senior High Schools (1)	1	

## Registration by Courses, 1930-1931

Department	Course No.		Title of Course	Credit Hours	1st	2nd
	1st Sem.	2nd Sem.			Sem.	Sem.
German	101-102		Beginning German (4)		27	21
	201-202		Intermediate German (3)		21	21
	303-304		Contemporary German Literature (3)		7	5
	307		Scientific German (1)			13
Greek	201-202		New Testament Greek (1)		2	1
	301-302		Advanced Greek Prose (3)		1	1
History	101-102		Modern European History (3)		47	41
	201-202		History of the United States (3)		25	25
	203-204		History of Great Britain (3)		19	18
	303		History of Latin America (3)		21	
	305		Medieval Europe (3)		10	
	306		The Renaissance and Reformation (3)			9
	311-312		Social History of the United States (3)		7	11
	401-402		Recent History of Europe (3)		16	16
	403		The Near East (3)			13
Latin	405-406		Constitutional History of the United States (3)		14	14
	301-302		Cicero and Horace (3)		10	9
Mathematics	309-310		Latin Literature in Translation (3)		10	10
	101-102		Trigonometry, College Algebra, Plane Analytic Geometry (4)		29	26
Mathematics	103		College Algebra Laboratory (1)		3	
	201-202		Differential and Integral Calculus (3)		6	7
	301-302		Integral Calculus; Differential Equations (3)		5	5
	403-404		Modern Geometry (3)		4	4
	405-406		Analytic Mechanics (3)		3	2
Music	101-102		Appreciation of Music (2)		22	24
	103-104		First Year Harmony (3)		3	2
	201-202		History of Music (2)		3	4
	211-212		Orchestral Music (2)		8	9
Philosophy	204		Ethics (3)			20
	301-302		History of Philosophy (3)		20	19
	303		Philosophy since Kant (3)		9	
Physical Education Men	101-102		Freshman Course (1)		43	41
	201-202		Sophomore Course (1)		32	30
	301-302		Junior Course (1)		25	24

## Registration by Courses, 1930-1931

Department	Course No.		Title of Course	Credit Hours	1st Sem.	2nd Sem.
	1st Sem.	2nd Sem.				
Physical Education Women	101-102		Freshman Course (1)		54	50
	201-202		Sophomore Course (1)		43	40
	301-302		Junior Course (1)		22	21
	205-206		Individual Gymnastics (1)		4	4
Physics	201-202		General Physics (4)		12	12
	205-206		Geometric and Physical Optics (4)		4	5
	301-302		Advanced Laboratory Problems (2)		4	7
	405-406		Analytic Mechanics (3)		3	2
Political Science	201		American Government (3)		24	
	203		State and Local Governments (3)		18	
	204		European Governments (3)			9
	301		Municipal Governments in the U. S. (3)			9
	305		Constitutional Law (3)		3	
	403		Political Parties (3)			7
Religion	101-102		Life and Teachings of Jesus (3)		8	7
	201-202		New Testament Greek (1)		2	1
	203		History of the Hebrews (2)			2
	205		The Gospel According to John (3)		9	
	301-302		Introduction to the Study of the Bible (3)		7	6
	306		Social Teachings of Jesus (3)			14
	313-314		The Christian Ministry (1)		8	7
Spanish	101-102		Beginning Spanish (4)		35	30
	201-202		Second-Year Spanish (3)		23	23
	301-302		Contemporary Spanish Literature (3)		4	4
	305-306		Commercial Correspondence, Prose Composition, and Conversation (2)		7	6
Speech	101-102		Principles of Speech (3)		32	27
	103-104		Freshman Debating		8	8
	201-202		Literary and Dramatic Interpretation (3)		14	13
	203		Extemporaneous Speaking (2)		11	
	305-306		Advanced Debating (2)		12	12

## Tabulation By Departments, 1930-31

Department	FIRST SEMESTER					SECOND SEMESTER				
	No. of courses	No. of teaching hours <sup>1</sup>	No. of teachers <sup>2</sup>	No. of students	Student credit hours	No. of courses	No. of teaching hours <sup>1</sup>	No. of teachers <sup>2</sup>	No. of students	Student credit hours
Art.....	5	11	.80	139	282	5	11	.80	133	274
Biology.....	5	30	2.00	87	390	6	32	2.00	83	357
Chemistry.....	3	32	2.00	32	155	3	32	2.00	31	150
Economics.....	7	27	2.00	131	393	7	27	2.00	131	393
Education.....	11	31	2.00	145	414	12	33	2.15	143	415
English.....	12	48	3.05	279	818	11	47	3.05	281	822
French.....	10	31	2.20	130	362	9	31	2.20	115	318
German.....	3	10	.75	55	192	4	11	.80	60	188
Greek.....	2	4	.20	3	5	2	4	.20	2	4
History.....	8	27	2.00	159	477	8	27	2.00	147	441
Latin.....	2	6	.40	20	60	2	6	.40	19	57
Mathematics.....	6	22	1.25	50	173	5	21	1.25	44	166
Music.....	4	9	.60	36	75	4	9	.60	39	80
Philosophy.....	2	6	.40	29	87	2	6	.40	29	87
Phys. Ed.—Men.....	3	8	1.00	100	100	3	8	1.00	95	95
Phys. Ed.—Women	4	12	1.00	123	123	4	12	.85	115	115
Physics.....	4	18	.75	23	81	4	18	.75	26	88
Political Science.....	3	9	.60	45	135	3	9	.60	25	75
Religion.....	5	12	1.00	34	82	5	13	1.00	40	101
Spanish.....	4	16	1.15	69	235	4	16	1.15	62	213
Speech.....	5	14	.75	77	184	4	12	.75	60	114
TOTALS.....	108	383	25.90	1766	4823	107	385	25.95	1680	4553
Duplicates.....	4	10		48	140	4	10		44	130
NET TOTALS..	104	373	25.90	1718	4683	103	375	25.95	1636	4423

NOTE 1. The figures in this column include class work and laboratory work. One hour of laboratory work is counted as equivalent to one class hour.

NOTE 2. The figures in this column represent the actual teaching time of the members of the faculty in the departments indicated. Each teacher is counted only for that portion of his time that is devoted to teaching in the College. Student assistants are not counted.

## List of Students, 1930-31

## Senior Class

<i>Name</i>	<i>Major</i>	<i>Home Address</i>
Altland, Clair.....	Econ and Biol.....	Harrisburg, Pa.
Ayers, S. Carlton.....	English and Art.....	Altoona, Pa.
Belz, Dorothea.....	Psychology.....	East Falls Church, Va.
Benson, J. Elmer.....	Religion.....	Frederick Junc., Md.
Brown, Calvin.....	Physics.....	Takoma Park, Md.
Caiola, James.....	Political Science.....	Norristown, Pa.
Carter, Chester.....	Political Science.....	Washington, D. C.
Claffin, Orrel Belle.....	History.....	Washington, D. C.
Cline, Mary.....	English.....	Norwalk, Ohio.
Colison, E. Warren.....	Economics.....	Washington, D. C.
Cramer, Norman S.....	Econ. and Pol. Sci.....	West Bend, Wis.
Craven, Roger.....	History.....	Washington, D. C.
Crosser, Justine.....	Political Science.....	Cleveland, Ohio.
Espey, Blake.....	English.....	Washington, D. C.
Evans, Barbara.....	Economics.....	Washington, D. C.
Farrell, Thomas.....	Economics.....	Pittston, Pa.
Fincher, Sarah Frances.....	English.....	Battery Park, Md.
Flowers, Rose.....	Psychology.....	Harrisburg, Pa.
Gaylord, Edith.....	Romance Languages.....	Washington, D. C.
Gerth, Dorothy.....	Economics.....	Wyaconda, Mo.
Goldenberg, Louise.....	Psychology.....	Washington, D. C.
Heath, Kathryn.....	Economics.....	Cincinnati, Ohio.
Hetrick, Lawrence.....	Biology.....	Harrisburg, Pa.
Hetrick, Mary Elizabeth.....	Psychology.....	Harrisburg, Pa.
Hine, Ethelwyn.....	English.....	Washington, D. C.
Hope, Helen.....	Economics.....	Ellicott City, Md.
Horner, Richard.....	Religion.....	Wilmington, Del.
Houston, John M.....	English.....	Mountain Lakes, N. J.
Humphries, D. Virginia.....	Psychology.....	Washington, D. C.
Jacoby, Betty.....	Psychology.....	Harrisburg, Pa.
Jarvis, Richard.....	Pol. Sci. and Econ.....	Washington, D. C.
Johnson, G. L.....	English.....	East Greenwich, R. I.
Johnson, James T.....	Romance Languages.....	Racine, Wis.
Kadan, J. Earl.....	English.....	Takoma Park, Md.
Kasel, William.....	Economics.....	Columbia, Pa.
Langan, J. Earl.....	Economics.....	Pittston, Pa.
Levin, Carl.....	Mathematics.....	Jamestown, N. Y.

<i>Name</i>	<i>Major</i>	<i>Home Address</i>
Livingston, Nola.....	Religion.....	Clarendon, Va.
Lytle, Jane E.....	English.....	Roselle Park, N. J.
McIlvaine, Sarah.....	Psychology.....	Philadelphia, Pa.
McLaine, W. Everett.....	English.....	Washington, D. C.
McVey, Esther.....	English.....	Altoona, Pa.
Moore, Margaretta.....	History.....	Chevy Chase, Md.
Mowbray, Margaret.....	Art.....	Washington, D. C.
Mulholland, Lynette E.....	Religion.....	Rupert, Vt.
Muller, Henry J.....	English.....	Herndon, Va.
Murray, Louise.....	English.....	Clarendon, Va.
Putnam, Mary.....	French.....	Washington, D. C.
Riggle, J. Harold (1).....	English.....	Jersey Shore, Pa.
Sanford, Anna Mary.....	Romance Languages.....	Danville, Va.
Smith, Ethel.....	Psychology.....	Washington, D. C.
Staples, Helen.....	Psychology.....	Washington, D. C.
Stowell, G. Leverett.....	History.....	Washington, D. C.
Swan, James Elmer.....	Political Science.....	East Greenwich, R. I.
Sweet, Mildred.....	Religion.....	Ann Arbor, Mich.
Tompkins, Ellsworth L.....	Economics.....	Mountain Lakes, N. J.
Tucker, Helen.....	French.....	Washington, D. C.
Willis, Doris M.....	Biology and History.....	Washington, D. C.
Wolfe, M. Estelle.....	Psychology.....	Merrick, N. Y.
Young, Frances.....	History.....	Washington, D. C.

TOTAL, 60; MEN, 27; WOMEN, 33.

### Junior Class

<i>Name</i>	<i>Major</i>	<i>Home Address</i>
Bell, Ruth.....	English.....	Washington, D. C.
Belt, Audrey.....	History.....	Washington, D. C.
Bower, William.....		Philadelphia, Pa.
Bright, B. Brooke.....	Chemistry.....	Washington, D. C.
Brown, Mary Frances.....	Biology.....	Washington, D. C.
Brundage, Mary Jeannette.....	German.....	Washington, D. C.
Bryner, Leon.....	History.....	Danville, Pa.
Burr, Roberts D.....	Biology.....	So. Manchester, Conn.
Carter, Joseph L.....	Religion.....	Mt. Holly Springs, Pa.
Cuddy, Thomas.....	Greek.....	Merwood Park, Pa.
Darby, Dorothy.....	French.....	Washington, D. C.
Dodds, Edward (2).....		Washington, D. C.
Doyle, Francis.....		Washington, D. C.

<i>Name</i>	<i>Major</i>	<i>Home Address</i>
Dunmire, Dorothy.....	Psychology.....	Washington, D. C.
Edwards, Burke.....	History.....	Chevy Chase, Md.
Edwards, Ruth.....	History.....	Maplewood, N. J.
Fabian, Norman.....	Chemistry.....	Poughkeepsie, N. Y.
Faus, Keeler.....	English.....	Osceola Mills, Pa.
Finch, Frances (1).....	French.....	Washington, D. C.
Fisher, W. Yule.....	History and Pol. Sci.....	Washington, D. C.
Folston, Milton (1).....	Chemistry.....	Washington, D. C.
Fuchs, Robert.....	Economics.....	Washington, D. C.
Fuchs, William Barrett.....	Biology.....	Washington, D. C.
Gleason, Marshall.....	Chemistry.....	Washington, D. C.
Gurney, Harry Eugene.....	Mathematics.....	Kiddér, Mo.
Herbine, Margaret.....	English.....	Reading, Pa.
Hockett, Mrs. Margaret (1).....	Education.....	Washington, D. C.
Jacobs, M. Hazel.....	English.....	Gaithersburg, Md.
Jamieson, Charlotte.....	English.....	Washington, D. C.
Jenkins, Rheta Mae.....	English.....	Frostburg, Md.
Johnson, Henry B., Jr.....	History.....	Bethesda, Md.
Jones, Dorothy.....	Art.....	Racine, Wis.
Keller, Alton H.....	Chemistry.....	Washington, D. C.
Knittle, Fremont J.....	Economics.....	Salina, Kans.
Lambert, Russell W.....	Psychology and History.....	Roaring Spring, Pa.
Lutz, Rene.....	Economics.....	Washington, D. C.
MacMahon, Jeannette F.....	Economics.....	Morristown, N. J.
Maiden, Virginia Lee.....	English.....	Clarendon, Va.
Masincup, W. Earl.....	History.....	Washington, D. C.
McBirney, Mary Elizabeth.....	English.....	Boise, Idaho.
Mitchell, F. Ward.....	Psychology.....	Baltimore, Md.
Morgan, C. Brent.....	Economics.....	Washington, D. C.
Mullett, Suzanne M.....	Art.....	Silver Spring, Md.
Murphy, Arthur R.....	Economics.....	Washington, D. C.
Olsen, George W.....	Economics.....	New York City, N. Y.
Pearce, Mary Jane.....	English.....	Englewood, N. J.
Rodgers, Olive E.....	History.....	Denver, Colo.
Ross, Edwin A.....	English.....	Washington, D. C.
Sard, Sylvia K.....	Psychology.....	Secretary, Md.
Saunders, Dorothy A.....	History.....	Washington, D. C.
Shirley, Granville H.....	Art.....	Keyser, W. Va.
Snider, Perry.....	Economics.....	Salina, Kans.
Sprinkle, Leland W.....	Physics.....	Battery Park, Md.
Swanson, Rudolph H.....	Chemistry.....	East Greenwich, R. I.
Swanton, L. Edith.....		Washington, D. C.

<i>Name</i>	<i>Major</i>	<i>Home Address</i>
Tarshes, Joseph.....	Economics.....	Washington, D. C.
Terrell, Daniel.....	Economics.....	Elkton, Md.
Tucker, Max.....	History and Pol. Sci.....	Kingston, N. Y.
Varela, Agatha M.....	English.....	Washington, D. C.
Vedder, Henry C.....		Washington, D. C.
Washburn, William.....	Economics.....	Washington, D. C.
Wren, Jean.....	English.....	Harrisburg, Pa.
TOTAL, 62: MEN, 37; WOMEN, 25.		

### Sophomore Class

<i>Name</i>	<i>Major</i>	<i>Home Address</i>
Adam, Beatrice.....	Psychology.....	Maplewood, N. J.
Adelman, Phyllis.....	French.....	Chevy Chase, D. C.
Backenstoss, Henry.....	Physics and Math.....	Washington, D. C.
Belden, Ruth.....	Speech.....	Mt. Lakes, N. J.
Blanchard, Alan.....	German.....	Washington, D. C.
Bowers, Chester.....	Political Science.....	Frederick, Md.
Brundage, Elizabeth.....	History.....	Washington, D. C.
Buffington, Helen.....		Baltimore, Md.
Cramer, Francis.....	Chemistry.....	West Bend, Wis.
Crandon, Althine.....	History.....	New Bedford, Mass.
Cross, Margaret.....	English.....	Greensboro, Md.
Daub, Mary.....		Fairfield, Me.
Davis, Mary.....	Art.....	Washington, D. C.
Dick, Leonel.....	Economics.....	Washington, D. C.
Diehl, Forrest.....	History.....	Chillicothe, Ohio.
Dimond, Margaret.....	History.....	Washington, D. C.
Eby, Eugene.....	Economics.....	Washington, D. C.
English, Anne (1).....	Art.....	Washington, D. C.
Flemming, Betty.....	History.....	Kingston, N. Y.
Ford, Alice Louise.....	English.....	Washington, D. C.
Goetz, Verona.....	History.....	Jamaica, N. Y.
Hamilton, Dorothy.....	Speech.....	Clarendon, Va.
Hancock, Betty.....	French.....	Miller Place, N. Y.
Harbaugh, Harold.....	Economics.....	Ballston, Va.
Harris, Donald.....	Economics.....	Washington, D. C.
Harris, Mildred.....	Speech.....	Washington, D. C.
Harrison, Virginia.....	Speech.....	Clarendon, Va.
Hart, Grace.....	History.....	Washington, D. C.
Hartshorn, Mary Elizabeth.....	History.....	Goldsboro, N. C.

<i>Name</i>	<i>Major</i>	<i>Home Address</i>
Hoover, Kenneth .....	Biology.....	Altoona, Pa.
Hunter, Anna.....	English.....	Berkeley Spgs., W. Va.
Huntzberger, Lee.....	Mathematics.....	Washington, D. C.
Johnson, Alfred L.....	Mathematics.....	Cabin John Park, Md.
Johnston, Eleanor M.....	French.....	Washington, D. C.
Jorg, Charles.....	Economics.....	Washington, D. C.
King, Anne.....	English.....	Washington, D. C.
Kirby, Cornelia.....	Economics.....	Takoma Park, Md.
Kirk, Hazel.....	English.....	Washington, D. C.
Kohan, Hyman.....	Chemistry.....	Kingston, N. Y.
Kruger, Myra.....	Psychology.....	New York, N. Y.
Larson, Wayne.....	Economics.....	Camp Hill, Pa.
Loving, William (1).....	Chemistry.....	Washington, D. C.
Marcus, Robert.....	Economics.....	Chicago, Ill.
Marean, Sarah.....	History.....	Dalton, Mass.
Martin, Helen.....	Psychology.....	Martinsburg, W. Va.
Melville, Maud.....	Biology.....	Worcester, Mass.
Minder, Charles.....	English.....	Belmont, Ohio.
Moffett, Harry.....	Economics.....	Washington, D. C.
Motley, Sara Bullard.....	English.....	Washington, D. C.
Murray, Lorena.....	French.....	Washington, D. C.
Olney, Eugenia.....		Falls Church, Va.
Orenstein, Samuel (2).....		Washington, D. C.
Osborne, Catherine.....	Economics.....	Washington, D. C.
Parke, Edward.....	Economics.....	Washington, D. C.
Pederson, Virginia.....	Art.....	Palo Alto, Calif.
Peirce, Prutia.....	Religion.....	Washington, D. C.
Reuter, Katherine.....	History.....	Jeannette, Pa.
Robbins, Vernon.....		Washington, D. C.
Schaul, Max.....	English.....	Tyrone, Pa.
Scobey, Alfreda.....	French.....	Eustis, Fla.
Sells, Oscar.....	History.....	Monroe, Tenn.
Sherier, Virginia.....	Psychology.....	Washington, D. C.
Simpson, Myron Lee.....	Biology.....	Cumberland, Md.
Skeggs, Carlton.....	Speech.....	Mt. Airy, Md.
Smith, Campbell T. (2).....		Kittanning, Pa.
Smith, Dan L.....	Economics.....	Washington, D. C.
Spence, Genevieve.....	Latin and French.....	Washington, D. C.
Spencer, Lois.....	History.....	Washington, D. C.
Stevenson, Janet.....	English.....	Ellerslie, Md.
Stewart, Frederic.....	French.....	Washington, D. C.

<i>Name</i>	<i>Major</i>	<i>Home Address</i>
Stewart, Theodore R. (1)	Chemistry	Pennsboro, W. Va.
Taenzler, Ilse	German	Mt. Lakes, N. J.
Tate, Edward	History	Washington, D. C.
Taylor, Eleanor	English	Washington, D. C.
Tedesco, Angelo	Biology	Chester, Pa.
Towne, Elizabeth	History	Washington, D. C.
Underwood, Harry	Economics	Washington, D. C.
VanBuskirk, Carrie		Panther, Pa.
Waller, Dorothy	Psychology	Woodside, Md.
Weeks, Harry	Psychology	Long Island City, N. Y.
Weinberg, Amelia		Frederick, Md.
Williams, Gladstone	Economics	Frederick, Md.
Williams, John H.	Economics	Washington, D. C.
Wold, Catherine	Latin	Washington, D. C.
Woods, John	Economics	Washington, D. C.
Worley, Adolphus	History	Washington, D. C.
York, Rita	Romance Lang.	Taunton, Mass.
Zuras, Maria (2)	Econ. and Pol. Sci.	Washington, D. C.

TOTAL, 88: MEN, 37; WOMEN, 51.

## Freshman Class

<i>Name</i>	<i>Home Address</i>
Anderson, William.....	Wayland, N. Y.
Baker, Dorothy.....	Washington, D. C.
Billett, Evelyn.....	Columbus, Ohio.
Bishop, Jane.....	Washington, D. C.
Bishop, Mildred.....	Washington, D. C.
Borsari, George.....	Middleboro, Mass.
Brown, Lucille A. (2).....	Seat Pleasant, Md.
Buchanan, Winona.....	Wells, Minn.
Buckingham, Richard W.....	Washington, D. C.
Carter, Donald.....	Washington, D. C.
Chates, Philip.....	Hudson, Mass.
Christie, Milton.....	Washington, D. C.
Clark, William (1).....	Minneapolis, Minn.
Comeau, Beatrice.....	Lexington, Mass.
Cooke, Sarah.....	Georgetown, Del.
Cooley, Emery.....	Washington, D. C.
Coulter, John Lee, Jr.....	Washington, D. C.
Cowles, Marjorie.....	Perth Amboy, N. J.
Cowsill, Gladys.....	Washington, D. C.
Danforth, Louise.....	Washington, D. C.
Dannemiller, Barbara.....	Chevy Chase, Md.
Davidson, Edward.....	Cherrydale, Va.
Dean, Mary Owen.....	Seattle, Wash.
Denit, Willett.....	Washington, D. C.
Dix, Alice Lee.....	Washington, D. C.
Ehrhardt, Ilene.....	Washington, D. C.
Esper, Lee M.....	Altoona, Pa.
Farthing, Dock R.....	Chevy Chase, D. C.
Ficklen, Imogen.....	Washington, D. C.
Field, Theodore.....	Washington, D. C.
Forrest, Anna.....	Bellwood, Pa.
Fuchsle, William.....	Kingston, N. Y.
Galliher, Hilda.....	Washington, D. C.
Geraci, Edward J. (2).....	Washington, D. C.
Goodner, Henrietta.....	Cherrydale, Va.
Gould, Charlotte.....	Wakefield, Mass.
Grifoni, Elsa.....	Washington, D. C.
Haines, Natalie.....	Forked River, N. J.
Hendrick, Harlan.....	Rochester, N. Y.

<i>Name</i>	<i>Home Address</i>
Herren, Sidney (2)	Portland, Ark.
Holmes, J. E., Jr.	Orrville, Ohio.
Jabaut, Frances (1)	Washington, D. C.
Kernahan, Earl G.	Washington, D. C.
Kidder, Arthur R.	Chevy Chase, Md.
Knobloch, Ruth (1)	New York, N. Y.
Latham, Dorothy	Harrisburg, Pa.
Lau, James	Harrisburg, Pa.
Learned, Louise	Fairfield, Me.
Leatherwood, Genevieve	Mt. Airy, Md.
Lee, Alice R.	Washington, D. C.
Lentz, Rita	Washington, D. C.
Lytle, Theodore	Roselle Park, N. J.
McNeill, Elizabeth	Washington, D. C.
Melear, Mary Louise	Athens, Tenn.
Miller, Dorothy	Athens, Tenn.
Mooney, Alicia (2)	Washington, D. C.
Nicklas, Emily	Washington, D. C.
Noble, Frances	New York, N. Y.
Norquist, Roland	Jamestown, N. Y.
Parker, Robert	Cumberland, Md.
Powers, Edwin	Depue, Ill.
Putney, Kathleen	Chevy Chase, Md.
Quigley, Bruce	Washington, D. C.
Ramsey, Webster (2)	Washington, D. C.
Reeve, Lucy	Alexandria, Va.
Rice, L. Barrett	Washington, D. C.
Robb, Priscilla	Washington, D. C.
Robbins, Mary Louise	Washington, D. C.
Rodriguez, Daniel	Santurce, Porto Rico
Rogers, William (1)	Shamokin, Pa.
Seaton, Dorothy	Washington, D. C.
Shelton, Hadley	Washington, D. C.
Shwartzman, Marcus	Washington, D. C.
Skidmore, Martha	Washington, D. C.
Smith, Arthur	Washington, D. C.
Smith, Kathleen	Vienna, Va.
Snyder, Pauline	Randallstown, Md.
Somerville, Wilma E.	Cumberland, Md.
Spitznas, John	Cumberland, Md.
Stuart, Marjorie	Washington, D. C.

<i>Name</i>	<i>Home Address</i>
Swift, Harold.....	Washington, D. C.
Tate, Clara.....	Washington, D. C.
Tate, Hugh.....	Washington, D. C.
Thomas, Joseph.....	Washington, D. C.
Thompson, Wells.....	Washington, D. C.
Thrailkill, Paul (1).....	East Falls Church, Va.
Tompkins, Ratie.....	Mt. Lakes, N. J.
Tuve, Richard.....	Washington, D. C.
Waite, Eleanor.....	Washington, D. C.
Warner, Margaret.....	Baltimore, Md.
Weinberg, Esther (1).....	Frederick, Md.

TOTAL, 91: MEN, 41; WOMEN, 50.

### Part-Time Students

<i>Name</i>	<i>Home Address</i>
Allyn, Mrs. Eleanor (1).....	Washington, D. C.
Bittle, Harriet (1).....	Myerstown, Pa.
Chaffey, Judith.....	San Francisco, Calif.
Cook, Mrs. Lucille (1).....	Washington, D. C.
Eisinger, Mrs. Marie (2).....	Washington, D. C.
Hall, Mrs. William (1).....	Washington, D. C.
Harman, Hilton.....	Kansas City, Kans.
Hind, Mrs. Katie S.....	Washington, D. C.
Jordan, Mercedes.....	Washington, D. C.
Macafee, Colin.....	Oak Bluffs, Mass.
MacVaugh, Gilbert.....	Philadelphia, Pa.
McIntyre, Nora (1).....	Washington, D. C.
Mead, Mabel (1).....	Washington, D. C.
Miller, Rachel (2).....	Entiat, Wash.
Norton, Clement (2).....	Cincinnati, Ohio
Payne, Eleanor (1).....	Gulfport, Miss.
Rodgers, George (2).....	Washington, D. C.
Rowe, Mrs. Florence (2).....	Washington, D. C.
Von Pagenhardt, Mrs. Marie (2).....	Washington, D. C.
Willson, Mrs. Edith (1).....	Washington, D. C.

TOTAL, 20: MEN, 5; WOMEN, 15.

## Summary of Students, 1930-31

### First Semester

	<i>Men</i>	<i>Women</i>	<i>Total</i>
Senior Class .....	27	33	60
Junior Class .....	36	24	60
Sophomore Class .....	35	50	85
Freshman Class .....	38	48	86
Part-time or Special Students.....	3	12	15
Totals.....	139	167	306

### Second Semester

	<i>Men</i>	<i>Women</i>	<i>Total</i>
Senior Class .....	26	33	59
Junior Class .....	37	23	60
Sophomore Class .....	33	50	83
Freshman Class .....	38	47	85
Part-time or Special Students .....	5	7	12
Totals.....	139	160	299

### For the College Year

	<i>Men</i>	<i>Women</i>	<i>Total</i>
Senior Class .....	27	33	60
Junior Class .....	37	25	62
Sophomore Class .....	37	51	88
Freshman Class .....	41	50	91
Part-time or Special Students .....	5	15	20
Totals.....	147	174	321

## Registration by States and Countries

Arkansas .....	1	Missouri .....	2
California .....	2	New Jersey .....	13
Colorado .....	1	New York .....	17
Connecticut .....	1	North Carolina .....	1
Delaware .....	2	Ohio .....	7
District of Columbia.....	147	Pennsylvania .....	36
Florida .....	1	Rhode Island .....	3
Idaho .....	1	Tennessee .....	3
Illinois .....	2	Vermont .....	1
Kansas .....	3	Virginia .....	14
Maine .....	2	Washington .....	2
Maryland .....	37	West Virginia .....	4
Massachusetts .....	9	Wisconsin .....	4
Michigan .....	1	Porto Rico .....	1
Minnesota .....	2		
Mississippi .....	1	Total.....	331

## Enrollment by Years

	<i>Fresh-</i> <i>men</i>			<i>Sopho-</i> <i>mores</i>			<i>Juniors</i>			<i>Seniors</i>			<i>Specials</i>			<i>Totals</i>		
	<i>M</i>	<i>W</i>	<i>T</i>	<i>M</i>	<i>W</i>	<i>T</i>	<i>M</i>	<i>W</i>	<i>T</i>	<i>M</i>	<i>W</i>	<i>T</i>	<i>M</i>	<i>W</i>	<i>T</i>	<i>M</i>	<i>W</i>	<i>T</i>
1925-26	23	22	45	7	1	8	3	13	16	1	5	6	4	2	6	38	43	81
1926-27	30	33	63	25	18	43	9	1	10	4	16	20	2	7	9	70	75	145
1927-28	38	37	75	24	26	50	21	22	43	10	11	21	6	3	9	99	99	198
1928-29	57	36	93	32	33	65	23	27	50	19	28	47	4	5	9	135	129	264
1929-30	53	66	119	38	32	70	29	36	65	21	26	47	4	14	18	145	174	319
1930-31	41	50	91	37	51	88	37	25	62	27	33	60	5	15	20	147	174	321

## Honors and Prizes

Class honors are awarded at the close of each semester. To attain class honors, a freshman must make a grade index of 4.10, a sophomore 4.20, a junior 4.32, a senior 4.45. (See page 53).

### February, 1928

*Freshman Class*—Dorothea Belz, Blake Espey, Mynter Frazier, Pauline Frederick, Louise Goldenberg, Hyman Lewis, Nola Livingston, Henry Muller, Lucile Terry.

*Sophomore Class*—Rosalie Dimmette, Alice Hetzel, Elizabeth Hill, Winston Manning, Ivy Norton, Janie Scantlin, Laura Everett.

*Junior Class*—Rowannetta Allen, Donald Olmstead, Roland Parrish, Roland Rice, Helen Roher, Sarah Roher.

*Senior Class*—Hattie Teachout.

### June, 1928

*Freshman Class*—Dorothea Belz, Roger Craven, Barbara Evans, Blake Espey, Frances Fincher, Mynter Frazier, Hyman Lewis, Nola Livingston, Carol Rigby.

*Sophomore Class*—Rosalie Dimmette, Laura Everett, Otis Fellows, Pauline Frederick, Alice Hetzel, Elizabeth Hill, Edwin Kelbaugh, Winston Manning, Ivy Norton, Janie Scantlin, Leon Schloss, Raymond Spaeth.

*Junior Class*—Rowannetta Allen, Dorothy Buchan, Donald Olmstead, Roland Parrish, Roland Rice, Helen Roher, Mary Jane Stewart.

*Senior Class*—J. Courtney Hayward, Hattie Teachout.

### February, 1929

*Freshman Class*—Audrey Belt, Norman Fabian, Gwendolyn Folsom.

*Sophomore Class*—Dorothea Belz, Pauline Frederick, Hyman Lewis, Mary Putnam, Carol Rigby.

*Junior Class*—Laura Barrett, Edwin Kelbaugh, Ronald McLaughlin, Janie Scantlin.

*Senior Class*—Rowannetta Allen, Marion Cross, Ida Belle Hopkins, Jane Lucas, Roland Rice, Helen Roher.

### June, 1929

*Freshman Class*—Audrey Belt, Norman Fabian, W. Yule Fisher, Gwendolyn Folsom, Margaret Hardy, Dale Haworth, Alton Keller, Lulu May Lybrook.

*Sophomore Class*—Dorothea Belz, Ethelwyn Hine, Hyman Lewis, Mary Putnam.

*Junior Class*—Laura Barrett, Rosalie Dimmette, Elizabeth Hill, Edwin Kelbaugh, Winston Manning, Ronald McLaughlin.

*Senior Class*—Rowanmetta Allen, Elsie DeMooy, Jane Lucas, Helen Roher, Mary Jane Stewart.

### February, 1930

*Freshman Class*—Francis Cramer, Charles Denny, Anne King, Robert Marcus, Sara Motley, Max Schaul, Virginia Sherier, Genevieve Spence, Frederic Walter Stewart.

*Sophomore Class*—Audrey Belt, Doris Evans, Keeler Faus, W. Yule Fisher, Gwendolyn Folsom, Margaret Hardy, Robert Hobbs, Perry Snider, Daniel Terrell, Saidee Mae White.

*Junior Class*—Dorothea Belz, Ethelwyn Hine, Nola Livingston, James Elmer Swan.

*Senior Class*—Rosalie Dimmette, Otis Fellows, Pauline Frederick, Alice Hetzel, Elizabeth Hill, Edwin Kelbaugh, Winston Manning, Ivy Norton, Raymond Spaeth.

### June, 1930

*Freshman Class*—Henry Backenstoss, Elizabeth Brundage, Margaret Cross, Charles Denny, Harold Harbaugh, Anne King, Hazel Kirk, Robert Marcus, Sara Motley, Max Schaul, Lois Spencer, Genevieve Spence.

*Sophomore Class*—Audrey Belt, Mary Frances Brown, Roberts Burr, Norman Fabian, Keeler Faus, Yule Fisher, Gwendolyn Folsom, Barrett Fuchs, Lulu May Lybrook, Perry Snider, Daniel Terrell, Saidee Mae White.

*Junior Class*—Dorothea Belz, Barbara Evans, Mabel Mead, Margaretta Moore, James Elmer Swan.

*Senior Class*—Rosalie Dimmette, Dorothy Ensor, Otis Fellows, Pauline Frederick, Alice Hetzel, Elizabeth Hill, Edwin Kelbaugh, Winston Manning, Raymond Spaeth.

### February, 1931

*Freshman Class*—Gladys Cowsill, John L. Coulter, Edward Davidson, Dorothy Latham, Rita Lentz, Lawrence Rice.

*Sophomore Class*—Henry Backenstoss, Margaret Cross, Margaret Diamond, Alice Louise Ford, Harold Harbaugh, Anne King, Robert Marcus, Sara Motley, Genevieve Spence, Lois Spencer, Frederic Stewart, Elizabeth Towne.

*Junior Class*—Audrey Belt, Mary Jeannette Brundage, Norman Fabian, Barrett Fuchs, Earl Masincup, Perry Snider, Agatha Varela.

*Senior Class*—Dorothea Belz, Orrel Belle Claflin, Mary Cline, Barbara Evans, Mary Elizabeth Hetrick, James Swan.

### Faculty Prize

1925-26: Roland Etz Parrish.

1926-27: Roland McLaren Rice.

1927-28: Hattie Teachout.

1928-29: Roland McLaren Rice.

1929-30: Elizabeth Hill and Yule Fisher.

### College Honor Prize

1928-29: Roland McLaren Rice.

1929-30: Pauline Annabelle Frederick.

### Graduation Honors

June, 1926: *Cum Laude*—Dorothea McDowell.

June, 1927: *Cum Laude*—Charles McDowell, Gordon Smith, Laura White; *Magna Cum Laude*—Vera Stafford; *Summa Cum Laude*—Cecilia Sheppard.

June, 1928: *Cum Laude*—J. Courtney Hayward; *Summa Cum Laude*—Hattie Teachout.

June, 1929: *Cum Laude*—Elsie DeMooy, Roland Parrish, Sarah Roher, Mary Jane Stewart; *Magna Cum Laude*—Jane Lucas, Helen Roher, Roland Rice; *Summa Cum Laude*—Rowannetta Allen.

June, 1930: *Cum Laude*—Dorothy Ensor, Alice Hetzel, Donald Olmstead, Raymond Spaeth; *Magna Cum Laude*—Pauline Frederick, Elizabeth Hill, Winston Manning, Ivy Norton.

## Degrees Conferred in June, 1930

### Bachelor of Arts

Dudley Clarke Aist  
Delsie Alden Appel  
Laura Kathryn Barrett  
Dexter Charles Beasley  
(as of 1929)  
Bertha Berman  
Martha Frances Bricker  
Myrtle M. Clemmer  
Milton Bernard Crist  
Helen Cassin Dapray  
Dorothy Elizabeth Ensor  
Otis Edward Fellows  
Leland Field  
Pauline Annabelle Frederick  
Helen Lucille Goodman  
William Gordon Hamilton  
Alice Virginia Hetzel  
Alice Elizabeth Hill  
Edwin Burton Kelbaugh  
John Franklin LaFavre  
David Lichliter  
Rolston Lyon  
Gilbert S. MacVaugh

Charles Edgar Manherz  
Winston Marvel Manning  
Sara Katherine Martz  
Ivy Lillian Norton  
Donald Heath Olmstead  
Elsie Olga Rose Ruzicka  
Janie Sanford Scantlin  
Mary Elizabeth Scull  
Katheryne B. Severance  
Jeanette Shapiro  
Leon Wertheimer Shloss  
George Lawton Sixbey  
Raymond Julius Spaeth  
Reuben George Steinmeyer  
(as of 1929)  
Edith Irene Tippet  
(as of 1929)  
Mrs. Yetive M. Weatherly  
Helen Geraldine Westwood  
(as of 1929)  
Clyde Delabar Williams  
William Howard Wolowitz

### Bachelor of Political Science

Madge Lee Guard, LL.B.  
Ellen Lane Love, LL.B., LL.M.,  
M.P.L.

Marion Fisher Whisman  
Imogene Williford, LL.B.  
Valeriano Austria Sanchez

### Bachelor of Science in Commerce

Helen Lane Daniel

### Master of Political Science

Gertrude Mary McClintock, B.S. Thesis: The Maryland Ratifying Convention of 1788.

Stephen Edward Morgan, B.A., LL.M., M.P.L. Thesis: The Political History of Georgia since 1900.

### Master of Science

- James Herbert Beattie, B.Sc. Thesis: The Influence of the Length and Number of Rows on Experimental Error in Field Trials with Carrots and Onions.
- Benjamin Joseph Collins, B.A. Thesis: The Confused Nomenclature of *Nycteribia vespertilionis* and *Spinturnix vespertilionis*.
- Floyd Kreamer Reed, B.Sc. Thesis: The Theory of Sampling as Applied to Live Stock Estimates.
- George Quentin Voigt, B.S. Thesis: Designing a Portable Automatic-Recording Spectro-Photometer.

### Master of Arts

- Julian Picazo Bacalzo, B.A., B.D. Thesis: The Political Policy of the United States with Reference to the Philippines.
- Clara Edith Baker, B.A. Thesis: Microscopic Examination for Intestinal Parasites of 73 Boys.
- Frances Cooley Bell, B.A. Thesis: Psychology of Reading Deficiency.
- Maria Nissley Bransford, B.A. Thesis: Sources on Pueblo Indians in Economic History.
- Robert Fisher Davis, B.A. Thesis: A Preliminary Study of the Main Contributors in the Field of the Relation of the Morphological Structure of Individuals to their Psychological Characters.
- Reginald George Hainsworth, B.A. Thesis: Marketing of Tobacco.
- Timothy Gerald Histon, B.S., LL.B., M.P.L. Thesis: The Board of Tax Appeals and Corporate Affiliation.
- Frances Van Cleve Hitchcock, B.A. Thesis: John M. Daniel's Mission to Sardinia.
- Stanley Leonard Kedzierski, B.S. Thesis: Analysis and Measurement of Forces Affecting the Price of Eggs in New York.
- Charles Kruszewski. Thesis: The Present German-Polish Tariff War.
- Willa Louise Murray, B.A. Thesis: Proposed Revision of the District of Columbia Code for the Commitment of the Insane.
- Sterling Ruffin Newell, B.S. Thesis: Factors Influencing the Yield of Wheat in Maryland.
- Mabelle Orleman Nolan, B.A. Thesis: Polyglot Glossary of Mammalian Dentology.
- Katherine Mozelle Powell, B.S. Thesis: A Psychological Study of the Deficiencies in Arithmetic at the Washington-Lee School Grade Nine.
- Laura Kersey Pollock, B.A. Thesis: The Incurrible Boy.
- Dorothy Walker Ralph, B.A. Thesis: Motor Coordination in Young Children.

Isabelle Smith, B.S. Thesis: American Influences in the Lives and Works of the Romantic Poets.

Florence Dezendorf Stewart, B.A. Thesis: Learning in Young Children: A Study of the Ability of Young Children to Learn to React to a Size Relationship.

Augusta Mary Swan. Thesis: Nature in American Poetry since 1890.

George Frederick Waltz, B.S., LL.B. Thesis: Junior High School Civic Attitudes.

Lee Ross Wilson, B.S. Thesis: The Place of the Motor Truck in the Modern Distribution System.

Christopher Sun Young, B.C.S. Thesis: American Public Opinion and the Peace of Portsmouth.

### Doctor of Philosophy

Warren David Brush, B.S., M.A. Thesis: The Utilization of Beech, Birch, and Maple in the Northeast.

Leslie Aulls Bryan, B.S., M.S. Thesis: The Incidence of Freight Rates.

Harold F. Cotterman, B.S., M.A. Thesis: Student Adjustment in Recent Programs of Higher Education.

George Richard Greenbank, B.A. Thesis: The Oxidation of Fats and Oils.

Jam Irvin Hoffman, B.A., M.S. Thesis: Fluorine and its Determination.

Joseph Rossman, B.S., LL.B., M.A. Thesis: The Psychology of the Inventor.

George Patrick Sanders, B.S., M.S. Thesis: Calcium, Phosphorus and Magnesium in Milk.

## Alumni of the College

### Class of 1926

- Allen, Florence Leet. *Home Address*: 94 Broadway, South Portland, Me.  
 Hunter, Claude William, 363 Virginia Avenue, Morgantown, W. Va.  
 Griffin, Mrs. Llewellyn (Lucy Mable Merkle), address unknown.  
 McDowell, Dorothea, Associate Girl Reserve Director, Y. W. C. A., 1416  
 Allison St., N. W., Washington, D. C.  
 Smith, Dorothy Quincy, 3110 Woodland Drive, N. W., Washington, D. C.  
 Graduate Study, American University, 1927-28.

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TOTAL, 5: MEN, 1; WOMEN, 4.

### Class of 1927

- Beaver, Garth L., Chevy Chase Savings Bank, 4104 Harrison Street, Wash-  
 ington, D. C.  
 Bull, Hilda, 1336 North Eden Street, Baltimore, Md.  
 Chaffin, Mrs. Anna B., Seoul, Korea. M.A., Columbia, 1928.  
 Malec, Mrs. Svatoslav (Ella Pergler), address unknown.  
 McDowell, Charles Jacob, Bank Clerk. 3300 Park Place, N. W., Wash-  
 ington, D. C. M.A., American University, 1929.  
 McDowell, Mrs. Charles T. (Voilet Brown), 3300 Park Place, N. W.,  
 Washington, D. C.  
 McKee, William Alexander, Clergyman. 1426 Manhattan Street, Birming-  
 ham, Ala.  
 Mehring, Dorothea Louise, Library Assistant, Columbia University, New  
 York, N. Y. *Home Address*: 3209 North 3rd Street, Harrisburg, Pa.  
 M.A., American University, 1928.  
 Sheppard, Cecilia May, Graduate Student, Yale University, New Haven,  
 Conn. *Home Address*: 2103 West Fayette Street, Baltimore, Md.  
 Smith, Gordon Ellis, High School Principal. 7 Maple Avenue, Bethesda,  
 Md. Graduate Study, American University, 1927-28.  
 Speer, Mrs. Hugh W. (Catherine Edwards), Fredonia, Kansas.  
 Stafford, Vera Lea, Publications Division, National Education Association.  
 1940 Biltmore Street, Washington, D. C.  
 Tsang, Mrs. T. W. (Chew Lian Chan), 32 Orange Grove Road, Singapore,  
 Straits Settlements.  
 White, Laura Hildebrand, Teacher. Monroe and Meixsell Streets, Easton,  
 Pa. M.A., Columbia University, 1929.

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TOTAL, 15: MEN, 4; WOMEN, 11.

## Class of 1928

- Brown, Jean Raldo, 716 College Avenue, Bluefield, W. Va.  
Carkhuff, Mrs. Lester (Helen Shurts), address unknown.  
Cornwell, Mrs. Mabel White, 3044 Cambridge Place, Washington, D. C.  
Fortney, Pauline, Teacher, Mary J. Pratt School for Mexican Girls. 1200 East 7th Street, Tucson, Ariz.  
Frazer, Percy Warner, Advertising Department, Nashville Tennessean. Royal Oaks, Harding Road, Nashville, Tenn.  
Fuquay, Martha, Teacher, Five Points, Ala. *Home Address:* Alexander City, Ala.  
Gerth, Arthur W., Y. M. C. A. Secretary, Mankato, Minn. *Home Address:* Wyaconda, Mo.  
Hawkins, Edna, Teacher, Browning House, Camden, S. C. *Home Address:* Otega, N. Y.  
Hayward, John Courtney, Clergyman and Student at Drew University, Madison, N. J. *Home Address:* Brown's Mills, N. J.  
Knapp, Clarence Cecil, Student, Drew University, Madison, N. J.  
McClay, Harold Robinson, Student, Union Theological Seminary, New York, N. Y. Box 47 A, East Northport, N. Y.  
Morgan, David Robert, Student, Drew University, Madison, N. J. *Home Address:* Windsor Avenue, Westmont, N. J.  
Penhale, Randall Ridholls, Teacher, Neguanee High School. 548 Bluff Street, Neguanee, Mich.  
Rash, Howard Wesley, Student, Drew University, Madison, N. J.  
Speer, Hugh Wilson, Teacher, Fredonia, Kans. *Home Address:* Olathe, Kans.  
Teachout, Hattie Catherine, Director of Religious Education, Second Congregational Church, Holyoke, Mass. *Home Address:* 20 Sunnyside Street, Hyde Park, Mass.  
Warner, William Compher, Student, Drew University; Director of Religious Education, M. E. Church, Mountain Lakes, N. J. *Home Address:* Lovettsville, Va.  
Wierer, Mrs. Robert B. (Lela Faye Covert), Shirland, Ill.

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TOTAL, 18: MEN, 10; WOMEN, 8.

## Class of 1929

- Allen, Rowannetta Sarah, Teacher. *Home Address:* Route 2, Anacostia, D. C.
- Andrews, Florence Vaude, 707 Fifteenth Street, Franklin, Pa.
- Beasley, Dexter Charles, Pioneer Hotel Accounting Co., Washington, D. C.
- Bergmann, Robert, Vene-balti 48-1, Kopli, Tallinn, Esthonia.
- Bilbrough, Mrs. Samuel Clark (Irene Dezendorf), Drew University, Madison, N. J.
- Bilbrough, Samuel Clark, Student, Drew University, Madison, N. J.
- Bittinger, Donald Stuart, Student, Johns Hopkins University, Baltimore, Md. *Home Address:* 3910 Livingston Street, N. W., Washington, D. C.
- Bond, Mrs. Franklin (Ethel Louise Moulton), 201 N. 12th St., Albuquerque, N. Mex.
- Buchan, Dorothy Wallace, Assistant Psychometric Tester, Laurelton State Village, Laurelton, Pa. *Home Address:* Palmer, Va.
- Clarke, Mrs. Frances Lucile, 3422 Garfield Street, N. W., Washington, D. C.
- Corson, Lynn Hough, Student, Drew University, Madison, N. J. *Home Address:* 2 Hamilton Avenue, Princeton, N. J.
- Courtney, Mrs. John (Dorothy Louise Moore), Ridge, Md.
- Cross, Lewis Marion, Manager, Poultry Farm, Greensboro, Md.
- Deffinbaugh, Mary Angela, 3026 St. Paul St., Baltimore, Md. *Home address:* Silver Spring, Md.
- Delaplain, W. Willis, Student, Drew University; Clergyman, Lower Berkshire Valley Methodist Church, N. J. *Home Address:* Pasadena, Calif.
- DeMooy, Elsie Margaret, 3614 Morrison Street, Chevy Chase, Md. *M.A., University of Maryland, 1930.*
- Eaton, Claribel Ruth, 3609 Livingston Street, Chevy Chase, D. C.
- Eaton, Harriette Olive, 3609 Livingston Street, Chevy Chase, D. C.
- Feldmann, Dora Mae, Teacher, Harwood Girls' School, Albuquerque, N. Mex. *Home Address:* Wheatfield, Ind.
- Feldmeyer, E. Nyce, 2 Southgate Avenue, Annapolis, Md.
- Fellows, Florence Elizabeth, Art Teacher, Park View Grammar School, Washington, D. C. 1118 Euclid Street, Washington, D. C.
- Flaig, Annielouise, 2703 Portland Avenue, Minneapolis, Minn.
- Garner, Mrs. John (Edith Irene Tippet), District Heights, Md.
- Goodman, James, Chesapeake and Potomac Telephone Co., Washington, D. C. *Home Address:* Linden Hills, Frederick, Md.
- Gray, Seely Nash, Student, George Washington University Medical School, 1335 H Street, N. W., Washington, D. C. *Home Address:* Sparta, Wis.
- Hanes, Mrs. J. Allan (Helen Elizabeth Roher), 145 Madison St., St. Marys, Pa.

- Hopkins, Ida Belle, Social Case Worker, Juvenile Protective Association, 7 Iowa Circle, Washington, D. C. *Home Address:* 440 Schuyler Avenue, Kingston, Pa.
- Johns, Marjorie Alice, 1421 Columbia Road, N. W., Washington, D. C.
- Joyce, Martha Elizabeth, Millersville, Md.
- Kessler Bruce Richard, Director of Athletics, Columbia Junior High School, Washington, D. C. 1319 Park Road, N. W., Washington, D. C.
- Linkins, Dorothy Eloise, 3701 Porter Street, Washington, D. C.
- Lucas, Nancy Jane, Teacher, Philipsburg High School. 1301 Presqueisle Street, Philipsburg, Pa.
- Nipe, Merlin, Teacher, Oakland, Va. Graduate Student, American University Graduate School. *Home Address:* 635 Maryland Avenue, N. E., Washington, D. C.
- Parrish, Roland Etz, Graduate Student, Washington State College. *Home Address:* 3403 Piedmont Avenue, Baltimore, Md. M.A., University of Cincinnati, 1930.
- Rice, Roland McLaren, Student, George Washington University Law School; Assistant in Education, College of Liberal Arts, American University. *Home Address:* Glen Burnie, Md.
- Rinkel, Ruth Lee, Librarian, Pipestone, Minn. *Home Address:* 609 South 2nd Street, Mankato, Minn. B.L.S., University of Illinois, 1930.
- Roher, Sarah, Librarian, Albany Library. 3 Columbia Place, Albany, N. Y. *Home Address:* 141 Lafayette Street, St. Marys, Pa.
- Snyder, Jacob Herman, Student, Drew University, Madison, N. J. *Home Address:* Delta, Pa.
- Steinmeyer, R. G., Clergyman, 725 Butternut Street, N. W., Washington, D. C.
- Stewart, Mary Jane, Teacher, Sullins College, Bristol, Va.
- Sullivan, James Polk, Research Work, U. S. Steel Corporation Laboratory, Kearney, N. J. 820 Fourth Avenue, East Orange, N. J. *Home Address:* 230 Wooten Avenue, Chevy Chase, D. C.
- Turbett, Louise Margaret, Student, Packard School of Business, New York, N. Y. *Home Address:* 816 Avenue A, Bayonne, N. J.
- Westwood, Helen Geraldine, Student, Columbia University. *Home Address:* Lodge Grass, Mont.
- Wierer, Robert Bernard, Student, Garrett Biblical Institute. Clergyman, Shirland, Ill.
- Young, Louis Mackall, Student, Garrett Biblical Institute. 1122 Grant Street, Evanston, Ill.

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TOTAL, 45: MEN, 18; WOMEN, 27.

## Class of 1930

Aist, Dudley Clark, Cheltenham, Md.

Appel, Delsie Alden, Assistant in English, Atlantic University, Virginia Beach, Va. *Home Address:* 3510 Quesada Street, Chevy Chase, D. C.

Barrett, Laura, 1338 A Street, S. E., Washington, D. C.

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